

The Bulletin of
Saint Joseph's College
Collegeville, Indiana



Catalog Number
1953-1954

Saint Joseph's College

Conducted by
the Fathers of
The Society of the Precious Blood



SIXTY-THIRD
ANNUAL CATALOG
WITH
ANNOUNCEMENTS FOR
1953 - 1954

Collegeville, Indiana

ACCREDITATION

Saint Joseph's College is a member of or is accredited by the following associations and standardizing agencies:

American Council on Education

Association of American Colleges

Commission on Christian Higher Education of the Association of American Colleges

Indiana Association of Church Related and Independent Colleges

Indiana Conference of Higher Education

National Catholic Education Association

North Central Association of Colleges and Secondary Schools

State of Indiana Department of Public Instruction for the training of elementary and high school teachers.

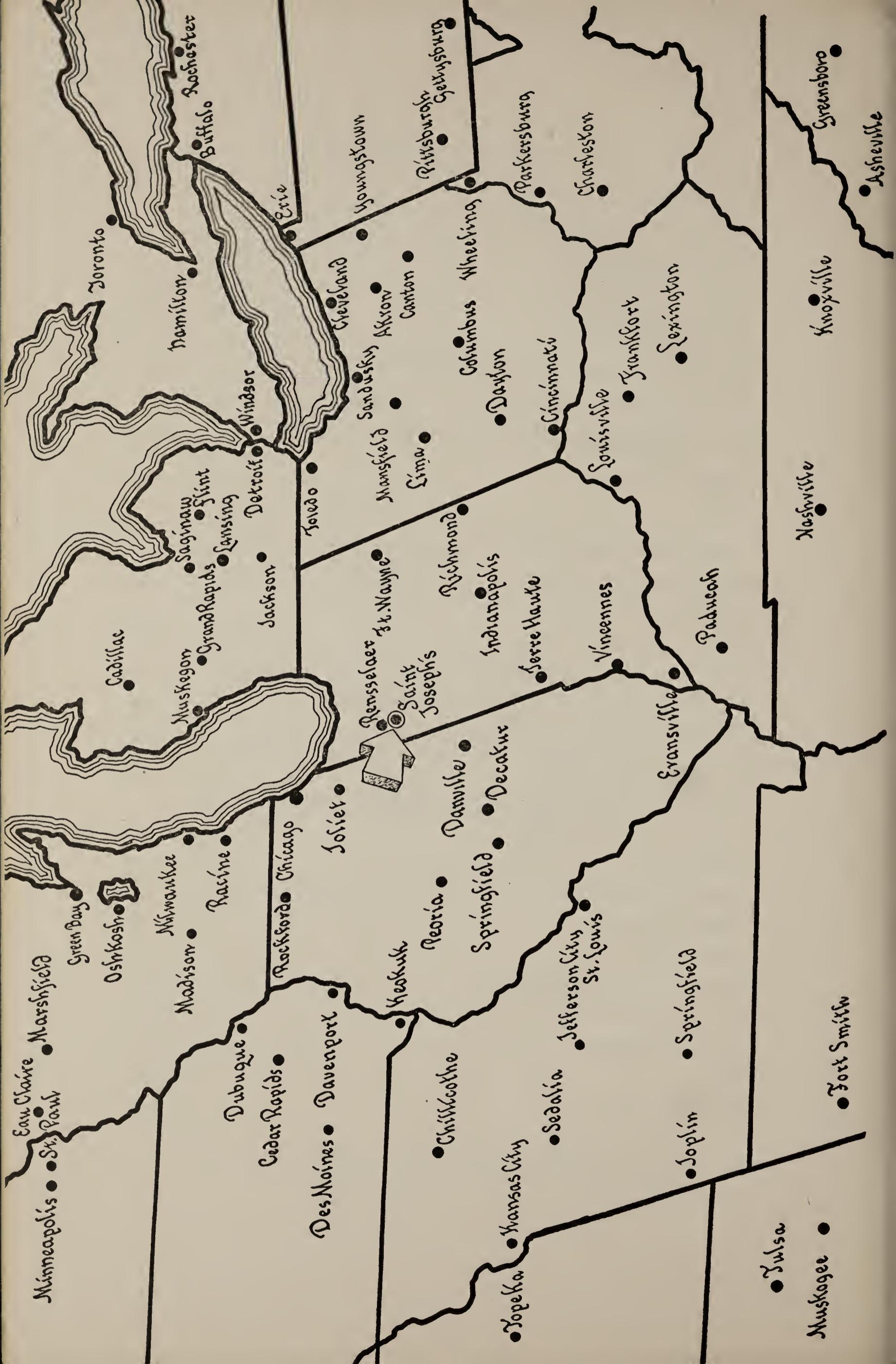
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Approved by the American Medical Association for pre-medical training.

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Students will please preserve this catalog for use at the
time of registration and for future reference.



DIRECTORY

Rensselaer, a city of four thousand, is situated in northwestern Indiana. On the Monon Route (Chicago, Indianapolis, and Louisville Railway), it is 73 miles southeast of Chicago, 50 miles southeast of Hammond, Indiana. Approached from the south, it is 110 miles northwest of Indianapolis, and 47 miles northwest of Lafayette. East and west railway lines connect with the Monon at various points — Chicago, Hammond, Lafayette, Delphi, Frankfort, and Indianapolis.

Saint Joseph's College (Collegeville) lies just outside the city's southern limits. Taxi service is available from the Rensselaer depot. Indiana State Highway 53, one of the main routes connecting Chicago and Indianapolis, passes through the College grounds. The Indiana Motor Bus Company, operating between Cincinnati and Chicago, uses Route 53 and will take on and let off passengers at Collegeville.

Mail should be addressed to:

Mr.
..... Hall
Saint Joseph's College
Collegeville, Indiana

Telephone 82, Rensselaer, Indiana. Except in cases of necessity, long distance calls should be avoided after 9:00 p.m.

Telegraph by Western Union to:

Mr.
..... Hall
Saint Joseph's College
Rensselaer, Indiana

Express, Freight, and Baggage should be addressed to:

Mr.
..... Hall
Saint Joseph's College
Rensselaer, Indiana

SAINT JOSEPH'S COLLEGE

CALENDAR FOR 1953											
JANUARY			FEBRUARY			MARCH			APRIL		
S	M	T	W	T	F	S	S	M	T	W	F
1	2	3	4	5	6	7	1	2	3	4	5
8	9	10	11	12	13	14	8	9	10	11	12
15	16	17	18	19	20	21	15	16	17	18	19
22	23	24	25	26	27	28	22	23	24	25	26
29	30	31					29	30	31		
MAY			JUNE			JULY			AUGUST		
S	M	T	W	T	F	S	S	M	T	W	F
1	2	3	4	5	6	7	1	2	3	4	5
10	11	12	13	14	15	16	8	9	10	11	12
17	18	19	20	21	22	23	12	13	14	15	16
24	25	26	27	28	29	30	14	15	16	17	18
31							19	20	21	22	23
SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
S	M	T	W	T	F	S	S	M	T	W	F
1	2	3	4	5		1	2	3	4	5	6
6	7	8	9	10	11	12	4	5	6	7	8
13	14	15	16	17	18	19	11	12	13	14	15
20	21	22	23	24	25	26	15	16	17	18	19
27	28	29	30				18	19	20	21	22
							22	23	24	25	26
							27	28	29	30	31

CALENDAR FOR 1954											
JANUARY			FEBRUARY			MARCH			APRIL		
S	M	T	W	T	F	S	S	M	T	W	F
1	2		1	2	3	4	5	6	7	8	9
3	4	5	6	7	8	9	10	11	12	13	14
10	11	12	13	14	15	16	14	15	16	17	18
17	18	19	20	21	22	23	21	22	23	24	25
24	25	26	27	28	29	30	28	29	30	31	
MAY			JUNE			JULY			AUGUST		
S	M	T	W	T	F	S	S	M	T	W	F
1		1	2	3	4	5	1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10
9	10	11	12	13	14	15	13	14	15	16	17
16	17	18	19	20	21	22	13	14	15	16	17
23	24	25	26	27	28	29	20	21	22	23	24
30	31						18	19	20	21	22
							22	23	24	25	26
							27	28	29	30	31
SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
S	M	T	W	T	F	S	S	M	T	W	F
1	2	3	4		1	2	1	2	3	4	5
5	6	7	8	9	10	11	3	4	5	6	7
12	13	14	15	16	17	18	10	11	12	13	14
19	20	21	22	23	24	25	14	15	16	17	18
26	27	28	29	30			17	18	19	20	21
							21	22	23	24	25
							27	28	29	30	31

COLLEGE CALENDAR FOR 1953-1954

- September 8-13, Tuesday-Sunday, Induction and orientation of new students, placement tests, educational guidance, physical examinations, registration.
- September 14, Monday, Registration for returning students.
- September 15, Tuesday, Official opening of the first semester; classes begin at 10:00 a.m.
- September 24, Thursday, Limit for changes in class schedules.
- October 17, Saturday, Homecoming.
- November 7, Saturday, Mid-semester grade report.
- November 17, Tuesday, Limit for permission to discontinue a course without penalty of failure.
- November 25, Wednesday, Thanksgiving recess begins at noon.
- November 30, Monday, Classes resumed at 8:00 a.m.
- December 6, Sunday, Annual retreat begins at 8:30 p.m.
- December 8, Tuesday, Retreat closes with High Mass. Feast of the Immaculate Conception. No classes.
- December 17, Thursday, Christmas vacation begins after the last scheduled class.
- January 4, Monday, Classes resumed at 8:00 a.m.
- January 23-28, Saturday-Thursday, Semester examinations.
- February 2, Tuesday, Registration for the second semester.
- February 3, Wednesday, Classes begin at 8:00 a.m.
- February 13, Saturday, Limit for changes in class schedules.
- February 22, Monday, Washington's birthday. No classes.
- March 5-7, Friday-Sunday, Forty Hours Devotion. Closed weekend.
- April 3, Saturday, Mid-semester grade report.
- April 9-10, Friday-Saturday, Graduate Record Examination.
- April 13, Tuesday, Limit for permission to discontinue a course without penalty of failure.
- April 14, Wednesday, Easter recess begins at noon.
- April 21, Wednesday, Classes resumed at 8:00 a.m.
- May 2, Sunday, Parents' Day.
- May 5, Wednesday, Feast of Saint Joseph. No classes.
- May 19-20, Wednesday-Thursday, Comprehensive examinations.
- May 27, Thursday, Feast of the Ascension. No classes.
- May 28-June 2, Friday-Wednesday, Semester examinations.
- June 6, Sunday, Baccalaureate exercises.

BOARD OF CONTROL

- **Very Reverend Seraphin W. Oberhauser, C.P.P.S., * President**
- Very Reverend Ignatius A. Wagner, C.P.P.S.**
- Reverend Otto L. Mueller, C.P.P.S., Treasurer**
- Reverend Andrew J. Brunswick, C.P.P.S.**
- Reverend Cletus H. Foltz, C.P.P.S., Secretary**
- Very Reverend Raphael H. Gross, C.P.P.S.**
- Reverend Edmund J. Ryan, C.P.P.S.**

BOARD OF LAY TRUSTEES

The Board of Lay Trustees was organized on December 8, 1950. Composed of alumni and non-alumni members, it is charged with the responsibility of giving assistance and advice on matters pertaining to the administration of the College.

Officers of the Board

Robert A. Gallagher, Indianapolis, Indiana, Chairman
Reverend Joseph A. Otte, C.P.P.S., Secretary

Members Ex-Officio

Very Reverend Raphael H. Gross, C.P.P.S., President of the College
Reverend Walter T. Pax, C.P.P.S., Dean of the College
Reverend Joseph A. Otte, C.P.P.S., Treasurer of the College

Alumni Members

William A. Hanley, '08, Indianapolis, Indiana
Justin H. Oppenheim, '19, Coldwater, Ohio
Paul F. Schumacher, '24, Mishawaka, Indiana

Members at Large

Robert A. Gallagher, Indianapolis, Indiana
Arthur Hellyer, Chicago, Illinois
Morris E. Jacobs, Omaha, Nebraska
James B. McCahey, Sr., Chicago, Illinois
Frank M. McHale, Indianapolis, Indiana
Richard A. O'Connor, Fort Wayne, Indiana
John J. O'Laughlin, Oak Park, Illinois
Garland L. Rathel, Kokomo, Indiana

* C.P.P.S. These letters are the abbreviations of **Congregatio Preciosissimi Sanguinis**, the official name of the Society of the Precious Blood. All the priests and brothers at Saint Joseph's are members of this religious community.

A D M I N I S T R A T I O N

Very Reverend Raphael H. Gross, C.P.P.S., M.A., Ph.D., President
Reverend Walter T. Pax, C.P.P.S., M.A., Ph.D., Dean of the College
Reverend Rufus H. Esser, C.P.P.S., M.A., Secretary
Reverend Joseph A. Otte, C.P.P.S., M.B.A., Treasurer
Reverend Alvin H. Burns, C.P.P.S., Business Manager
Reverend Charles J. Robbins, C.P.P.S., M.A., Registrar
Reverend Charles H. Banet, C.P.P.S., A.M.L.S., Librarian
Reverend Gerard A. Lutkemeier, C.P.P.S., B.S. in L.S., Assistant Librarian
Reverend Henry J. Martin, C.P.P.S., M.S. in Ed., Ed.D., Coordinator of Student Personnel Services
Reverend Charles J. Herber, C.P.P.S., A.B., Chaplain
Reverend Daniel E. Schaefer, C.P.P.S., Dean of Men
Reverend Edward M. Roof, C.P.P.S., M.A., Director of Athletics
Reverend James I. Birkley, C.P.P.S., M.A., Director of Extension Center
Reverend Edward A. Maziarz, C.P.P.S., M.A., M.S., Ph.D., Director of Summer Session
Reverend Richard P. Baird, C.P.P.S., Admissions Counselor
Randall E. Decker, M.A., Director of News Bureau
Cecil E. Johnson, M.D., College Physician
Brother Camillus R. Pollock, C.P.P.S., Director of Health Service

F A C U L T Y

Very Reverend Raphael H. Gross, C.P.P.S., M.A., Ph.D., President
1941* — Associate Professor of English. M.A., University of Michigan,
1941; Ph.D., University of Montreal, 1951. Appointed President, 1951.

Reverend John W. Baechle, C.P.P.S., M.S.
1939 — Associate Professor of Biology. M.S., Catholic University of America, 1939.

Reverend Charles H. Banet, C.P.P.S., A.M.L.S., Librarian
1952 — A.M.L.S., University of Michigan, 1951.

James T. Beane, M.S. in P.Ed.
1951 — Instructor in Physical Education. M.S. in P.Ed., Indiana University, 1950.

Reverend James I. Birkley, C.P.P.S., M.A., Director of Extension Center
1946 — Assistant Professor of English. M.A., University of Notre Dame, 1951.

Reverend Raymond M. Cera, C.P.P.S., M.A.
1948 — Instructor in Spanish. M.A., St. John's University, Brooklyn, 1951.

Michael E. Davis, M.S.
1952 — Instructor in Geology. M.S., Kansas State College, 1951.

* The first date indicates the year of appointment to Saint Joseph's.

Randall E. Decker, M.A., Director of News Bureau
 1953 — Instructor in Journalism. M.A., Colgate University, 1953.

Reverend Cletus F. Dirksen, C.P.P.S., M.A., Ph.D.
 1941 — Associate Professor of Politics, Chairman of the Division of Social Sciences. M.A., Catholic University of America, 1941; Ph.D., University of Notre Dame, 1947.

Reverend Boniface R. Dreiling, C.P.P.S., M.S.
 1940 — Associate Professor of Physics. M.S., Catholic University of America, 1941.

Reverend Marcellus M. Dreiling, C.P.P.S., M.S.
 1939 — Associate Professor of Mathematics. M.S., Catholic University of America, 1939.

Reverend Alvin W. Druhman, C.P.P.S., M.A., Ph.D.
 1948 — Instructor in English. M.A., St. John's University, Brooklyn, 1950; Ph.D., 1952

Joseph L. Druse, M.A. **
 1949 — Instructor in History. M.A., Marquette University, 1949.

Thomas B. Dumas, LL.B.
 1947 — Instructor in Business Administration. LL.B., Indiana University, 1942.

Reverend Gilbert F. Esser, C.P.P.S., M.A.
 1930 — Professor of Latin. M.A., Catholic University of America, 1930.

Reverend Rufus H. Esser, C.P.P.S., M.A., Secretary
 1925 — Professor of English, Chairman of the Division of Humanities. M.A., Catholic University of America, 1927.

Reverend Frederick L. Fehrenbacher, C.P.P.S., M.A.
 1928 — Professor of History. M.A., Catholic University of America, 1931.

Reverend Dominie B. Gerlach, C.P.P.S., M.A.
 1952 — Instructor in History. M.A., St. Louis University, 1952.

Reverend Norman L. Heckman, C.P.P.S., M.A.
 1940 — Associate Professor of Chemistry. M.A., Indiana University, 1946.

Reverend Francis A. Hehn, C.P.P.S., M.A., C.P.A.
 1933 — Professor of Accounting. M.A., Catholic University of America, 1932; C.P.A., State of Indiana, 1944.

Reverend Lawrence F. Heiman, C.P.P.S., M.A.
 1943 — Assistant Professor of Speech and Music. M.A. Catholic University of America, 1949.

Reverend Joseph A. Hiller, C.P.P.S., M.A., Ph.D.
 1933 — Professor of German. M.A., Catholic University of America, 1932; Ph.D., 1940.

** Absent on leave for graduate study.

Reverend James W. Hinton, C.P.P.S., M.A.

1952 — Instructor in English. M.A., University of Notre Dame, 1951.

Reverend Edwin G. Kaiser, C.P.P.S., S.T.D.

1944 — Professor of Religion. S.T.D., Saint John Lateran, 1923.

Paul E. Kelly, M.A.

1950 — Associate Professor of Business Administration. M.A., Colorado State College of Education, 1941.

Reverend Joseph B. Kenkel, C.P.P.S., Ph.D.

1922 — Professor of Economics. Ph.D., Catholic University of America, 1922.

Reverend Cletus G. Kern, C.P.P.S., M.A.

1940 — Associate Professor of Philosophy, Chairman of the Division of Religion and Philosophy. M.A., Catholic University of America, 1938.

John J. Kirby, M.A.

1952 — Instructor in Speech and Dramatics. M.A., University of Arizona, 1952.

Reverend Leonard J. Kostka, C.P.P.S., J.C.L.

1948 — Assistant Professor of Religion. J.C.L., Catholic University of America, 1942.

Reverend William J. Kramer, C.P.P.S., L.Sc.N., Ph.D.

1953 — Instructor in Chemistry. L.Sc.N., University of Fribourg, Switzerland, 1951; Ph.D., 1953.

Reverend Clarence J. Kroeckel, C.P.P.S., M.S.

1933 — Professor of Biology, Chairman of the Division of Natural Sciences. M.S., Catholic University of America, 1933.

Reverend Clement J. Kuhns, C.P.P.S., M.A.

1948 — Instructor in Latin. M.A., Catholic University of America, 1951.

Reverend Robert F. Lechner, C.P.P.S., Ph.D.

1946 — Instructor in Philosophy. Ph.D., University of Fribourg, Switzerland, 1950.

Reverend Ernest A. Lucas, C.P.P.S., M.A.

1953 — Instructor in Education. M.A., University of Notre Dame, 1953.

Reverend Gerard A. Lutkemeier, C.P.P.S., B.S. in L.S.

1937 — Assistant Librarian. B.S. in L.S., Catholic University of America, 1946.

Reverend Henry J. Martin, C.P.P.S., M.S. in Ed., Ed.D., Coordinator of Student Personnel Services

1940 — Associate Professor of Education. M.S. in Ed., Indiana University, 1945; Ed.D., 1950.

Reverend Edward A. Maziarz, C.P.P.S., M.A., M.S., Ph.D., Director of Summer Session

1942 — Associate Professor of Philosophy. M.A., Catholic University of America, 1941; M.S., University of Michigan, 1945; Ph.D., University of Ottawa, 1949.

John O. Meany, M.A.

1952 — Instructor in Sociology and Economics. M.A., University of Notre Dame, 1949.

Reverend Carl F. Nieset, C.P.P.S., M.S.

1937 — Associate Professor of Geology. M.S., Catholic University of America, 1936.

Reverend Joseph A. Otte, C.P.P.S., M.B.A., Treasurer

1942 — Assistant Professor of Accounting. M.B.A., University of Michigan, 1942.

Joseph G. Pawlowski, M.S.

1953 — Instructor in Physical Education. M.S., University of Illinois, 1952.

Reverend Walter T. Pax, C.P.P.S., M.A., Ph.D., Dean of the College

1930 — Professor of Education, Chairman of the Division of Education. M.A., Catholic University of America, 1930; Ph.D., 1937.

Salvatore A. Pupo, M.S. in Ed.

1951 — Instructor in Education. M.S. in Ed., University of Notre Dame, 1950.

Reverend Charles J. Robbins, C.P.P.S., M.A., Registrar

1940 — Associate Professor of Classical Languages. M.A., Catholic University of America, 1945.

Reverend Edward M. Roof, C.P.P.S., M.A., Director of Athletics

1929 — Associate Professor of Physical Education. M.A., Catholic University of America, 1931.

John M. Ruble, M.B.A.

1951 — Instructor in Accounting. M.B.A., Indiana University, 1951.

Reverend Charles R. Rueve, C.P.P.S., M.S.**

1946 — Instructor in Mathematics. M.S., University of Notre Dame, 1949.

W. Stephen Sanderlin, Jr., M.A.**

1949 — Instructor in English. M.A., Catholic University of America, 1949.

Richard F. Scharf, M.S. in P.Ed.

1940 — Associate Professor of Physical Education. M.S. in P.Ed., Indiana University, 1949.

Reverend Joseph F. Scheuer, C.P.P.S., M.A. **

1946 — Instructor in Sociology. M.A., Fordham University, 1950

Reverend Norman G. Schmock, C.P.P.S., M.S.

1944 — Assistant Professor of Natural Sciences. M.S., Institutum Divi Thomae, 1948.

Reverend Donald F. Shea, C.P.P.S., M.A.**

1947 — Instructor in History. M.A., University of Michigan, 1947.

** Absent on leave for graduate study.

Reverend Urban J. Siegrist, C.P.P.S., M.S.

1936 — Associate Professor of Biology, Director of the Institutum Divi Thomae Research Station. M.S., Catholic University of America, 1936.

Reverend Joseph A. Smolar, C.P.P.S., M.S., M.A.

1945 — Assistant Professor of Biology. M.S., Institutum Divi Thomae, 1945; M.A., Indiana University, 1950.

Reverend Francis B. Sullivan, C.P.P.S., S.T.D.

1951 — Instructor in Religion. S.T.D., University of Ottawa, 1952.

Paul C. Tonner, B.Mus.

1918 — Professor of Music. B.Mus., University Extension Conservatory, Chicago, Illinois, 1931.

Reverend Albert A. Wuest, C.P.P.S., M.S.

1934 — Associate Professor of Chemistry. M.S., Catholic University of America, 1938.

A S S O C I A T E S I N T E A C H E R E D U C A T I O N**Rensselaer City Schools**

Daniel Schafer, Superintendent

William J. Holt, High School Principal

H. M. Davisson

Keith Mohr

Oliver J. Gwinn

Robert Pabst

Elizabeth Kresler

Forest Witsman

GENERAL INFORMATION

HISTORICAL SKETCH

In 1868 a frame dwelling was erected a mile south of Rensselaer as a home for thirty-five orphans. The home was closed in 1887. Two years later, the Most Reverend Joseph Dwenger, bishop of the Diocese of Fort Wayne, offered the vacant orphans' home and the land to Father Henry Drees, then Provincial of the Society of the Precious Blood, with the stipulation that a college be founded there. During the same year, 1889, Saint Joseph's College was incorporated under the laws of the State of Indiana with the right to grant the usual degrees.

With the coming of summer, 1891, the first building, now the southern half of the Administration Building, was finished, and the first students were enrolled. In 1893 the building was extended to its present proportions.

Education at early Saint Joseph's was on two distinct levels, the high school and the junior college. The aim was to prepare students for professional schools and seminaries, for teaching, and for immediate entry into business. The new college passed its first major landmark June 16, 1896, when it presented diplomas to twelve students, its first class of graduates.

The original aims of Saint Joseph's changed little up to 1925. At that time the college was converted into a minor seminary, and for a period of six years admitted only students preparing for the priesthood. The status of academy and junior college was re-established in 1931, and plans for the expansion of the school were formulated. Saint Joseph's began to operate as a senior college in 1936, and in June, 1938, its first class of four-year men was graduated.

Principal buildings on the campus at that time were the Chapel, Administration Building, Gaspar Hall, Dwenger Hall, Science Hall, Drexel Hall, and the Power Plant. A building program was launched in the summer of 1939, and between that time and 1941 were erected Seifert Hall, Noll Hall, Xavier Hall, and the Fieldhouse.

The program of expansion was cut short by the war and was not resumed until the summer of 1946 when extensive work was done on the Cafeteria, Fieldhouse, Library, and Publications Building. Plans are already well developed for an extensive landscaping program and for the erection of several additional buildings.

Since its founding in 1889, Saint Joseph's has had the following twelve presidents: The Very Revs. Augustine Seifert, Benedict Boebner, Hugo Lear, Ignatius Wagner, Didacus Brackmann, Joseph Kenkel, Rufus Esser, Cyril Knue, Aloys Dirksen, Henry Lucks, Alfred Zanolar, and Raphael Gross.

PURPOSE AND AIMS

The general purpose of Saint Joseph's College is to offer its students a college education which embodies the principles and practices of the Catholic way of life. The achieving of this purpose implies that as the student advances in his course he learns to think, judge, and act more readily in accord with right reason guided by the mind and teaching of the Church. Saint Joseph's makes its own the principle enunciated by Pope Pius XI, that the object of Christian education is to prepare a man "for what he must be and for what he must do here below, in order to attain the sublime end for which he was created."

For the attainment of this general purpose, the College proposes for itself the following specific aims:

1. To offer such facilities for religious worship, instruction, and guidance as will lead the student to a more thorough understanding, a more genuine love, and a more generous practice of his Faith, and to acceptance of it as the supreme standard by which he will measure life's other values.
2. To assist the student in his intellectual growth so that as he gains knowledge he may also the better develop correct methods of thinking, cultivate worthy attitudes and appreciations, and improve his ability to express ideas effectively.
3. To provide a program of general education which acquaints the student with the facts and the methods of inquiry in the chief fields of knowledge, namely, religion and philosophy, humanities, natural sciences, and social sciences. This program, completed in the main during the freshman and sophomore years, lays the foundation for advanced work.
4. To provide a program of advanced education enabling the student to gain deeper insight and wider comprehension in that field of knowledge which he chooses for concentrated study. This program, confined largely to the junior and senior years, aims to complete the basic training for the student's future career, including entrance into a graduate or professional school.
5. To provide a program of professional education preparatory for immediate entrance into certain professions upon graduation. The program does not restrict itself to professional courses but draws also from the offerings in the programs of general and advanced education.

6. To safeguard the student's health and to promote his physical fitness through an organized health service and a program of recreational activities.
7. To aid the student, through personal guidance, assistance, and supervision, to realize his individual dignity, duties, and capacities.
8. To foster in the student a lively appreciation of his social and civic obligations. In particular, the College aims to present the Christian virtues of justice and charity as the firm foundation upon which the student should build his life as a member and citizen of his community and country.

These aims the College construes not as separate and independent but as interrelated, not as pertaining to the classroom alone but as pervading the student's entire campus life. Each member of the staff accepts the obligation to contribute not only to the specific aims in his assigned field of work but also to the balanced Christian development of the whole student.

CAMPUS AND BUILDINGS

One hundred and thirty acres have been laid out in parks, lawns, and campus. Dotting the campus are twelve buildings designed to serve the educational needs of Saint Joseph's students.

The Administration Building is centrally located near the main entrance to the campus. The first floor houses the offices of administration. The second and third floors afford residence for members of the faculty.

The Chapel, dedicated in May, 1910, is the most imposing edifice on the campus. It is an attractive brick and stone structure in the Romanesque style of architecture. Its large sanctuary provides ample room for the proper observance of the beautiful solemn ceremonies of the Church. Beneath the chapel is the cafeteria. Renovated in the summer of 1946, this large hall easily accommodates Saint Joseph's Students in bright and cheerful surroundings.

Gaspar Hall, one of the oldest buildings on the campus and formerly a faculty residence, comfortably houses approximately forty students. It is named in honor of the founder of the Society of the Precious Blood, Blessed Gaspar del Bufalo.

Dwenger Hall, named for the second bishop of the Diocese of Fort Wayne, serves as an infirmary and dispensary. It was erected during the summer of 1907.

Drexel Hall was at one time used as a school for Indians. Renovated in 1937, the three-story structure became the home of Saint Joseph's upper classmen. It is named after Mother Catherine Drexel who provided funds for its erection.

Xavier Hall, dedicated to St. Francis Xavier, a patron of the Society of the Precious Blood, is the residence of the students who are preparing for the priesthood in the Society. It was erected in the fall of 1940.

Seifert Hall, residence hall for sophomores, was finished in 1939. It was named for Saint Joseph's first president, the Very Reverend Augustine Seifert, C.P.P.S. The hall accommodates one hundred and fifty students.

Noll Hall was dedicated in the fall of 1940 by the Most Reverend John F. Noll, Bishop of Fort Wayne, a generous patron of the college. It is designed to house ninety students.

The Science-Library Building consists of a north-south wing, completed in 1915, and an east-west wing, added in 1936. The former houses the music department, the auditorium, and the library. The new wing is devoted to classroom space, physics, chemistry, biology, geology, and special research laboratories.

The Publications Building is a former power plant which was completely renovated in 1946 to provide space for offices of the various campus publications. In addition it houses the offices of the Saint Joseph's College Alumni Association.

The Fieldhouse was erected in 1940. Changes made in 1946 have provided seating for two thousand spectators and locker space for some five hundred participants in the sports program.

The Recreation Hall, located near the Fieldhouse, was erected in 1947. This building is furnished with a spacious lounge, soda fountain, billiard and pool tables, and card and game rooms.

THE LIBRARY

The library is a vital part of the institution's educational program. It attempts not only to implement and extend class instruction by stimulating study and research, but also to supply such recreational reading material as will foster a love for good books and cultural reading generally.

The library, greatly enlarged and refurnished in 1946, is centrally located, convenient to classrooms and residence halls. In its new location it comprises over eighteen thousand square feet of floor space, sufficient to seat two hundred students and to accommodate more than one hundred thousand volumes. Though the entire library was planned to be functional, it provides an atmosphere of quiet, simple beauty. Here in well-lighted rooms, conducive to study, the student will find selected material for research and for leisure-time reading. Near the circulation desk and reference room is the reference librarian's desk, where a trained librarian is ready to help the student on a research project or to give him guidance in a reading program.

On the main floor, besides the reference room and current periodicals room, is a special reading room where the student has access to collections of the "great books" of all ages. Here likewise are the collections of popular works which students majoring in specific fields should read during their college days.

For the student's convenience there is a room set aside for typing and for microfilm reading. Two conference rooms are also provided on the main floor where small classes may use extensive library material as part of their class work. These rooms are available to groups of students working together on some project requiring cooperative use of library materials. In the lower stack area there are forty-five carrels which provide the student with an individual study desk located near a large, selected group of bound periodicals and journals.

The library has over fifty-two thousand books and bound periodicals. There is also a large collection of Government documents. Over three hundred and fifty periodicals are currently received. In vertical files, in the reference room, there is a selected group of pamphlets and a separate collection of vocational guidance material.

Special instruction in the use of the library forms an important part of the orientation program during freshman week. This systematic introduction to the resources of the library is continued throughout the first semester so that students in every department may obtain immediate library efficiency for their college work and may retain a life-long acquaintance with library tools.

LABORATORY FACILITIES

Science Hall houses the laboratory facilities for the Departments of Biology, Chemistry, Geology, and Physics.

The biology laboratories, situated on the second floor of Science Hall, provide up-to-date equipment for courses in fundamental zoology and botany, microtechnique, bacteriology, embryology, histology, comparative vertebrate anatomy, human anatomy, and physiology.

On the third floor of Science Hall are well-equipped laboratories for the use of students of general inorganic and organic chemistry, biochemistry, quantitative and qualitative analysis, and physical chemistry. In addition there is a large demonstration laboratory.

Geology laboratories, adequate for courses in physical geology, historical geology, mineralogy, petrology, and paleontology, are found on the basement level in Science Hall.

The physics laboratories, also situated on the basement level in Science Hall, are equipped for courses in general college physics, electricity and magnetism, physical optics, meteorology, physics of radiology, modern physics, heat, electronics, and radio.

RESEARCH STATION

In September of 1946, Father Urban J. Siegrist began special research work in connection with the Institutum Divi Thomae, a graduate department of the Athenaeum of Ohio which was founded in 1928 by the Most Reverend John T. McNicholas, O.P., S.T.M., Archbishop of Cincinnati.

MUSIC DEPARTMENT

Saint Joseph's has long recognized the value of music and its contribution to a liberal education. The College seeks to give every student an opportunity for musical expression according to his talent or inclination. In addition to the courses in musical theory, instruction in applied music is available in voice, piano, organ, and all band and orchestral instruments. Students with previous training and experience are urged to join the band, orchestra, or glee club.

STUDENT PERSONNEL SERVICES

ORIENTATION PROGRAM

At the opening of the fall semester, the College conducts orientation exercises for all new students. Placement tests are given to provide a basis for counseling and guiding the students in the selection of courses and in assigning them to class sections. Faculty members act as counselors and assist new students in planning their programs for the first semester. In meetings held during the week, the student learns about Saint Joseph's — its traditions, equipment, regulations, and opportunities.

It is the purpose of the College to make the activities of orientation week as interesting and helpful as possible, so that by the time classes begin the new students are settled and are acquainted with the campus, the faculty, and classmates.

THE TESTING PROGRAM

Students entering Saint Joseph's take orientation tests in various fields, the results of which are used chiefly to give the counselor information needed in planning wisely the educational program of his counselees.

Other tests required of all students, in addition to those prescribed by the instructors in their classes, are the Sophomore General Culture Test, administered at the end of the second year, and the Graduate Record Examination, which the student takes prior to graduation. Results of these are used to check the student's progress and to compare the achievement of Saint Joseph's students with that of students of other colleges.

All students must take the tests unless excused by the Dean of the College. Those who, without excuse, absent themselves from a scheduled testing session will be charged a fee of two dollars for the deferred test.

STUDENT GUIDANCE

Each student at Saint Joseph's selects a faculty counselor whom he may consult at any time regarding educational, vocational, or personal matters. Each faculty advisor has access to grades, test results, health record, and other pertinent information on his counselees so that he may be better acquainted with their individual problems.

READING AND STUDY CLINIC

Most recent of the personnel services established by the college for the benefit of its students is the Reading and Study Clinic de-

signed to increase the efficiency of skills required in reading and study procedures.

Recognizing that deficiencies in study and reading habits may prevent students from meeting required standards of college work, the College has arranged that any student may request the services of the clinic or be referred to the clinic by an instructor or faculty counselor. No fees are charged for these special helps.

RELIGIOUS EXERCISES

The forming of a true Christian character in the student is the highest aim in education. This happy result can be attained only through religion. The student, therefore, should prize the knowledge and love of religion as his richest possession, and he should be eager to do his part in helping to create and to maintain a religious atmosphere in the daily life on the campus.

All are required to make the annual student retreat and are urged to attend daily Mass and Benediction as also the weekly novena devotions. Opportunity for confession is available daily.

The program of religious exercises is arranged by the Chaplain, who is likewise available for consultation on matters of religious observance.

HEALTH SERVICE

The student infirmary and the dispensary are under the supervision of a trained attendant. To insure proper care, quiet, and comfort for sick students, the infirmary is provided with efficient and modern equipment.

At Saint Joseph's, emphasis is placed upon health and physical fitness. All students accepted for admission are required to furnish a statement from a reputable physician attesting to a state of general good health. They are required, furthermore, to show proof of inoculation against diphtheria and smallpox. Students who have not taken care of this matter before entrance will be required to submit to inoculation, and will be charged the usual fee for such medical services (smallpox, \$2.00; diphtheria, \$3.00). In cooperation with public health agencies, the college infirmarian administers tests for communicable diseases without charge.

VETERAN ASSISTANCE

In 1944, and again in 1952, Saint Joseph's received official approval as a school for veterans of military service under the provisions of Public Laws 16 and 346 for the World War II veteran, and Public Law 550 for the Korean veteran. For further information, veterans should address the office of the Registrar.

PLACEMENT

The College does not regard its work as finished until it has seen its graduates established in suitable employment. A placement bureau is operated by an experienced staff member who advises the student in choosing his first job and, when necessary, assists him in finding employment in his chosen field, both directly and through cooperation with recognized governmental and private employment agencies.

BANK

For the convenience and education of the student, the College operates a private banking system. The student may deposit and withdraw from his account at will. Through this convenience he will learn to handle his funds with discretion and foresight.

LOAN FUND

The student loan fund exists for the benefit of students who are unable to meet their current expenses. The amount available for an individual student is limited to \$100 for any semester. Application for a loan extending six months or longer must be filed with the Treasurer at least three weeks before the loan will be granted; a short term loan may be arranged upon request.

RECREATION AND ATHLETICS

Recreational activities have been a part of every civilization, and educators, past and present, are in agreement that competitive sports can be helpful in directing the energies of young men into wholesome channels to the end that student health be safeguarded and physical fitness promoted. Intercollegiate athletics, properly supervised and controlled, contribute to the total educational program of a college.

Saint Joseph's is a member of the Indiana Intercollegiate Athletic Conference. A program of intercollegiate games is provided in football, basketball, baseball, track, golf, bowling, and tennis. In addition, the College also supports a well-developed program of intramural games with the idea that all students should participate in sports and "carry-over" recreational skills useful in a society apparently destined to enjoy increasingly more leisure time.

Furthermore, in order to develop leaders in the area of physical education, the College maintains a Department of Physical Education staffed by competent teachers, supported by a curriculum

of standard quality, and supplemented by "laboratory" experience provided through its program of intercollegiate and intramural sports. In all forms of recreation and physical development, the spirit a friendly competition is encouraged and the habit of fair play is inculcated.

In its athletic program, Saint Joseph's College is governed by the policies of the North Central Association of Colleges and Secondary Schools and by the rules of the Indiana Intercollegiate Conferences.

Recognizing the excellent athletic and physical training facilities provided by Saint Joseph's, the Chicago Bears of the National Professional Football League have selected the College as their pre-season training site each summer since 1944.

MILITARY SERVICE

Selective Service provides qualified students with various opportunities for deferment, and the College makes special effort to acquaint its students with these opportunities.

The Selective Service regulations, as they affect students, were written so as to provide young men with an opportunity to attain the highest educational status possible in order that they may be better suited to serve the defense needs of the nation. It is the experience of the College and its students that almost all draft boards agree with this objective and are willing to defer qualified students to enable them to continue their education. A folder outlining current Selective Service regulations as they affect students is available upon request from the College.

While Saint Joseph's does not offer an R.O.T.C. programs, students in our accredited College are eligible to enlist in the U.S. Marine Corps Platoon Leaders Class, a program carrying draft deferment until graduation and leading to a commission and active duty in the Marine Corps. A folder descriptive of the Platoon Leaders Class is available at the College.

Representatives of the various branches of the armed forces periodically visit the campus to acquaint students with the opportunities for specialized service after graduation.

S T U D E N T A I D P R O G R A M

Students who need financial aid and meet the requirements of the various programs may avail themselves of the Academic Scholarship, Band Scholarship, Grants-in-Aid, and Student Employment programs. The College expects that all students who need aid will also help themselves through gainful employment during the summer months and at Christmas time.

HONOR SCHOLARSHIPS

Thirty academic scholarships are awarded each year to entering freshmen on the basis of competitive examinations.

Ten Tuition Scholarships, Value \$1,440.00 (\$360.00 each year for four years).

Five Honor Scholarships, Value \$1,000.00 (\$250.00 each year for four years).

Five Honor Scholarships, Value \$800.00 (\$200.00 each year for four years).

Ten Award Scholarships, Value \$400.00 (\$100.00 each year for four years).

Scholarship applicants who have the recommendation of their high school principal present themselves, on a day announced in the spring, to compete for these awards. The tests are always given at the College and generally at a number of off-campus centers for the convenience of applicants from particular areas. The written examinations consist of tests of general ability, English usage, and subject-matter areas broadly related to general education.

General Scholarships. A limited number of scholarship grants of varying amounts are also available to sophomores, juniors, and seniors who give evidence of outstanding scholarly attitudes and attainments, and who establish the fact that they need financial assistance to continue in college.

All scholarship awards are made for one semester but will be renewed for succeeding semesters provided the recipient continues as a student in good standing at Saint Joseph's and has maintained the required scholastic index which will ordinarily be interpreted to mean a general average of B grade.

These scholarships are made possible through the generosity of alumni, trustees, and other friends of the College, and through the following endowed funds.

FOUNDED SCHOLARSHIPS

The Saint Elizabeth Foundation. A fund established by Mrs. Elizabeth Mullen. The income from \$5,000 is available for a pre-theology student, preferably from St. Patrick's Parish, Kokomo, Indiana.

The Monsignor O'Keefe Scholarship. The sum of \$300 is available each year for a student or students designated by the pastor of St. Mary's Church, Akron, Ohio.

The Monsignor Moore Scholarship. A fund providing for tuition, board, and lodging for a pre-theology student from the Peoria Diocese.

The Michael and Mary Brisch Scholarship. The income from \$5,000 is available to assist in the education of a pre-theology student.

The Father Brunner Scholarship. The income from the Lawler Farm is available for a student or students selected by the Scholarship Committee.

The Father Seifert Scholarship. The income from the Collegeville gravel deposits is available for a student or students selected by the Scholarship Committee.

The Schumacher Family Scholarship. The income from \$10,000 is available for a student or students selected by the Scholarship Committee.

The Ludie Hebert Scholarship. The income from a farm located at Fowler, Indiana, is available for a student or students selected by the Scholarship Committee.

The Henry W. Schmidt Scholarship. A trust fund of \$7,145 to assist students selected by the Scholarship Committee.

BAND SCHOLARSHIPS

Five band scholarships, valued at \$800.00 each (\$200.00 each year for four years) are awarded yearly to entering freshmen on the basis of musical ability displayed in auditions given at designated centers.

Application forms may be obtained by request from the Music Department, Saint Joseph's College, Collegeville, Indiana.

GRANTS-IN-AID

Grants-in-aid are forms of financial assistance available to needy and deserving students to assist them in furthering their education. Those interested should apply to The Coordinator of Student Personnel Services.

EMPLOYMENT

Among those who attend the College, some may find it necessary and expedient to contribute to their own support through employment. The student should bear in mind that gainful occupation is an activity subservient to his academic life. He should not center his attention upon anything that will detract from his scholastic progress. It is particularly difficult for the first-year student to work for self-support and carry a normal class load at the same time. He needs his time to make the necessary adjustments and to do his regular college work satisfactorily. It is doubtful whether any student should enter college without sufficient funds to defray all expenses for at least the first semester.

For those who can maintain the required scholastic average besides performing some gainful tasks, a limited number of self-aid projects are available. There are a few calls for clerical and laboratory assistants, but most openings for employment are for janitorial and dining-hall jobs. Assignments are made on the basis of financial need, academic record, and probable success in performing the duties assigned. Applications for campus employment should be filed in the office of the Dean of Men.

Resident students may not accept employment off the campus or engage in any business enterprise during the time that the College is in session without the written permission of the Dean of Men.

ORGANIZATIONS AND ACTIVITIES

STUDENT GOVERNMENT AND NFCCS

All Saint Joseph's students are members of the Student Union and are governed by its constitution. Its student-elected officers, the four class presidents, and the senior delegate to the National Federation of Catholic College Students comprise the Student Council. The Council serves as a channel of communication between the Student Union and the faculty and administrative officers of the College.

The Saint Joseph's student government is one of 180 Catholic college governments which comprise the National Federation of Catholic College Students. Saint Joseph's, a member of the Fort Wayne region of the NFCCS, sometimes plays host to the regional meetings.

The general purpose of the Federation is to make the student on the Catholic campus responsive to the local, national, and international needs of his Church, his country, and his school.

EXTRACURRICULAR PROFESSIONAL GROUPS

While the academic life has first claim on the student's time, membership in campus professional-interest groups is heartily encouraged at Saint Joseph's. Such associations enable the student to meet his fellow students and his instructors informally and to learn about his chosen field through group projects, movies, field trips, club meetings, and through contact with prominent men who appear as guest speakers.

Participation in these activities stimulates common professional inclinations, promotes cooperative efforts, and complements the classroom teaching by experiences in group planning.

Included among these professional-interest groups at Saint Joseph's are: the Commerce Club for business students; the History Club for those who take courses in that area; and the Albertus Magnus Society, Geology, and Biology clubs for those who are studying in the natural sciences. Many members of the Geology Club enroll for the field study, a yearly offering for credit which takes the students on a two-week tour of the Rocky Mountain area.

In the fine arts, Saint Joseph's has long realized the value of dramatic and musical activities in college life; through them the student becomes an active participant in the artistic accomplishment of others.

Students can find an outlet for their dramatic talent in the **Columbian Players**, the College's oldest extracurricular society. Each year the group presents productions, builds its own stage settings, and handles all lighting equipment, under the supervision of an experienced faculty director.

The **Saint Joseph's Glee Club**, composed of students of all classes, appears not only in campus concerts but also in an increasing number of off-campus programs and radio broadcasts. Yearly, the group presents a musicale in conjunction with the chorus from a college for women.

The **College Choir** sings at Mass on Sunday and at various other liturgical functions.

The **Band** also offers splendid opportunities to the musician. In season, the band appears for outdoor concerts, and plays for athletic contests. The Christmas concert is one of the outstanding musical highlights of the year. A number of partial-tuition scholarships are available for band members. Information regarding these can be had by addressing the Band Director.

Three campus publications afford students experience in different types of writing. **Stuff** is the campus bi-weekly newspaper. **Measure**, the literary journal, contains longer articles, such as research papers, short stories, plays, essays, poetry, and book reviews. **Phase**, the pictorial yearbook, makes its appearance toward the end of the second semester.

SOCIAL CLUBS

Social and recreational activities, too, are recognized at Saint Joseph's as a necessity for the proper development of the student. Membership in campus clubs and participation in the year's social events are strongly encouraged. Each year various student organizations sponsor dances, highlighted by the fall homecoming celebration and the spring formal prom, in addition to a number of Saturday night "mixers" to which young ladies from colleges for women are invited. Saint Joseph's students also attend functions on the girls' campuses.

Social organizations on the campus include the **Monogram Club** for varsity lettermen, **The Father Falter Veterans Post**, the **Chicago and Lake County Clubs**, the **Farley Stamp Club** and the **Camera Club**.

RELIGIOUS GROUPS

Several of the extracurricular campus societies have objectives which are primarily religious.

The **Don Bosco Club** is for altar boys and for those students who would like to learn to serve at Mass. Daily, about fifty priests offer Mass in the three campus chapels.

The **Sanguinist Club** is the official campus organization for Catholic Action. Under the club are the **Holy Name Society** and the **Pious Union of the Precious Blood**. The Sanguinists assist in the organizing of religious activities at the College.

Affiliated with the Catholic Students' Mission Crusade, the **Dwenger Mission Society** has as its object the study of home and foreign missions and the promotion of their welfare by prayer, sacrifice, and small fund-raising projects.

SUPERVISION OF STUDENT LIFE

The College assumes that men of college age have an adequate conception of the duties and responsibilities expected of them, and that every student who enters Saint Joseph's thereby indicates his readiness to comply with its rules and regulations. At the same time it recognizes an obligation to both students and parents to provide advisory and supervisory agencies.

In matters pertaining to social life, discipline, curriculum, and scholarship, all students come under the counsel and supervision of the Coordinator of Student Personnel Services, the Dean of Men, and the Dean of the College, according to the respective jurisdiction of each office. Matters of health are in charge of the College Physician. Administrative officers, assisted by student-faculty committees, make it their purpose to become familiar with student problems and to secure the observance of adopted policies and faculty regulations.

As a further part of the system of supervision, each residence hall has a Rector and one or more faculty members in residence whose duty it is to preserve order and promote proper conditions for study.

Discipline. Upon entering, each student is furnished with a Student Hand Book in which the specific rules of discipline and other regulations are contained. The Dean of Men is the official representative of the College in matters pertaining to the observance of right order and good citizenship both on and off the campus.

Attendance at Saint Joseph's is a privilege and not a right, and it is understood that this privilege may be withdrawn from anyone who does not conform to the traditions and regulations of the College. Every effort is made to encourage the student toward self-government in accordance with the ideals of obedience, honesty, courtesy, and charity. When, however, a student manifests an inability or unwillingness to cooperate with the College in maintaining its regulations and policies he subjects himself to disciplinary action. Matters of discipline are handled by the Dean of Men and the Committee on Discipline. The jurisdiction of the Committee includes cases of dishonesty, intoxication, immoral or improper conduct, serious violation of campus regulations, or behavior prejudicial to the welfare of the student or the best interests of the College. The penalties imposed by the Committee on Discipline may be probation, suspension, dismissal, or other action they may deem advisable.

Leave of Absence. Permission to leave the campus overnight, or for a longer period of time, must be requested from the Dean of Men. Freshmen may secure week-end permissions once every four weeks. Regarding town nights, freshmen are generally permitted Saturday and Sunday nights until 11:30. They may visit Rensselaer during the day without special permission, but must be on campus by 9:00 p.m., except on town nights.

Sickness. Any student requiring the services of the infirmarian should present himself at the Health Center in Dwenger Hall during the appointed hours. Emergency cases will, of course, be taken care of at any time. No student will be excused from class on the plea that he was sick unless he has seen the infirmarian before he misses the class. When a student is advised by the infirmarian to remain as a patient, the Dean of Men must be informed.

Study Hour. Freshmen and sophomores are to observe a study period in their rooms from 9:00 to 11:00 p.m., and are to retire not later than 11:30.

Student Rooms. Students will be held accountable for the appearance and condition of their rooms. Occupants will, furthermore, be held responsible for any damage to the room. All necessary repairs due to carelessness will be made at their expense.

Students will be required to furnish all blankets, comforters, bedspreads, sheets, and pillow cases for personal use.

Rooms, most of which are equipped for two men, are furnished with beds and mattresses, chairs, lamps, desks, and clothes lockers.

The use of electrical appliances other than radios, record players, and electric razors is prohibited.

Wardrobe. Students are to dress with reasonable neatness. They should come to college sufficiently supplied with the necessary articles of use and wear. Generally, the wardrobe which a student has at home will be suitable for his purpose at college.

A private agency operates a commercial laundry on the campus and will handle campus laundry at a special rate. Students may avail themselves of this opportunity or have their laundry done at home.

Day-Students. Non-boarding students are admitted to Saint Joseph's provided that during their period of attendance they live either at home or with relatives responsible for them. The College has been able to assist a limited number of married veterans in locating suitable housing in the city of Rensselaer.

Employment. Students who desire employment on or off the campus as a means of partial self-support should register at the office of the Dean of Men. While the College is in session, resident students may not accept employment off the campus or engage in any business enterprise without the written permission of the Dean of Men. Such permission is also required for canvassing or soliciting money, subscriptions, or donations, on the campus or in the city of Rensselaer.

Automobiles. Juniors and Seniors are permitted to have cars on the campus, but may use them only under the conditions laid down by the Dean of Men. Sophomores may bring cars to the campus only with special permission and for a serious reason. Freshmen are not permitted the use of cars.

Visitors. Parents and relatives of the students are welcome at the College at any time of the year. They are, however, asked to arrange their visits so as not to interfere with the student's class attendance.

S T U D E N T E X P E N S E S

Cost Each Semester

Tuition for one semester \$180.00

This entitles the student to:

1. Academic instruction and advisory direction.
2. Ordinary medical care in the Health Center.
3. Subscription to campus newspaper, literary journal, and yearbook.
4. Admission to plays, lectures, concerts, home athletic events, movies, and entertainments in the College theatre.
5. Use of athletic facilities.
6. Use of the library.

Board for one semester \$245.00

This entitles the student to three meals a day in the cafeteria.

Room for one semester \$45.00 to \$60.00

Brothers attending simultaneously as boarders may deduct \$25.00 each semester.

Conditional Charges

Application fee	\$ 3.00
Matriculation or entrance fee (paid once)	5.00
Late registration	5.00
Student Union Assessment	5.00
Tuition per credit hour above 17	10.00

Laboratory fees for science courses	\$5.00 to 15.00
Music instruction, each half hour	1.00
Student teaching	15.00
Special and conditional examinations, each	2.00
Infirmary, each day	1.00
X-Ray	5.00
Graduation fee	20.00
Transcript of credits (after initial copy)	1.00

FINANCIAL REGULATIONS

Upon acceptance by the admissions officer, the student is to make an advance payment of \$25.00. This amount applies to the payment in September.

The fee of either \$470.00 or \$485.00 for tuition, board, and room is due at the beginning of each semester.

For those, however, who wish to budget their payments, the following schedule is suggested:

First Semester:

\$200.00 at September registration.
\$160.00 on November 10.
Balance on December 10.

Second Semester:

\$225.00 at February registration.
\$160.00 on March 10.
Balance on April 10.

Remittance should be made payable to Saint Joseph's College by bank draft, personal check, or postal money order through the Collegeville post-office, and mailed to:

Office of the Treasurer
Saint Joseph's College
Collegeville, Indiana.

No student will be permitted to register for either semester until the initial installment, at least, has been paid.

Students whose accounts are not paid within the semester will not be admitted to the semester examinations.

Degrees, transcripts, and letters of honorable dismissal are withheld from those who have not settled their financial obligations to the College.

Students will be personally responsible for all expenses incurred in Rensselaer, including physician, dentist, and oculist fees.

Books, stationery, and other articles may be purchased at the College Book Store.

Students will be required to furnish all blankets, comforters, bedspreads, sheets, and pillow cases for personal use.

Charges will be made for damages to property; for medicine, applications, special nursing, and physician's services when required at the local Health Center.

Because of uncertain conditions of the financial world, all terms entered into between the College and the students and parents of students concerning expenses are in force for the ensuing semester only; they are subject to revision or renewal at the beginning of each following semester.

REFUND POLICY

Students who withdraw before the end of the semester will be charged for room and board at the rate of \$3.00 for each day, no refund allowance being made for incidental absences. They will be charged for tuition and fees on the following percentage basis:

One week or less	20 %
Between one and two weeks	20 %
Between two and three weeks	40 %
Between three and four weeks	60 %
Between four and five weeks	80 %
Over five weeks	100 %

A C A D E M I C P O L I C I E S A N D P R O C E D U R E S

The provisions of this Catalog represent adopted policies and current practices, but are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change provisions or requirements and to fix the time when such changes shall become effective.

ADMISSION

All correspondence relating to admission should be addressed to the Office of the Registrar, Saint Joseph's College, Collegeville, Indiana. Application for admission should be filed as early as possible, and all credentials should be in the hands of the Registrar at least three weeks before the opening of the school term. Application forms will be sent upon request. An application fee of \$3.00, not refundable and not applicable to other charges, must accompany the application. All credentials submitted as part of the admission procedure become the property of the College.

GENERAL REQUIREMENTS FOR ADMISSION

All applicants for admission shall comply with the following requirements:

1. Application form filled out completely by the applicant.
2. Official transcript of credits from all high schools and colleges previously attended, mailed directly from the schools to the Registrar.
3. Evidence of good health provided on an official medical certificate form supplied by the Registrar after an application has been approved.
4. Notification of acceptance from the Registrar. Final action in each case is based upon satisfactory evidence of moral fitness and scholastic ability of the applicant to succeed and profit as a student at Saint Joseph's College. The Committee on Admissions reserves the right to require any candidate to submit additional evidence in this regard before making its decision.

ADMISSION TO FRESHMAN STANDING

Applicants may be admitted to freshman standing under either of the following plans.

Plan A. Admission by Certificate.

1. Certificate of graduation from an approved high school. Graduates from other high schools may be accepted conditionally; full standing will be dependent upon subsequent work.

2. Minimum of fifteen units, ten of which must be from the following academic fields: English, Foreign Language, Social Studies, Mathematics, and Natural Science. (It is not necessary that all of these fields be represented in the ten units). The term "unit", expressing a measure of academic credit, represents a subject carried through not fewer than thirty-two weeks with five recitations a week, or the equivalent.

3. Rank in the upper two-thirds of his graduating class. When, by reason of class size, rank is not significant, an entrance examination may be required.

Plan B. Admission by Examination.

Applicants who do not fully qualify for admission under Plan A may be considered for admission by examination. They will be given objective tests to measure aptitude for college work. Test results and personal interviews will be used to determine either unqualified admission or admission with provisional status. The same procedure is available to veterans and to other mature and acceptable applicants who for good reason, lack high school certification.

Students who are admitted provisionally will be required to follow a special program designed to meet their needs and remove deficiencies during their freshman year.

ADMISSION TO ADVANCED STANDING

Students transferring from other institutions whose curricula are substantially the same as those of Saint Joseph's may be admitted with advanced standing. Transfer students must:

1. Meet the general entrance requirements.
2. Be eligible to continue in the institution from which they wish to transfer.
3. Be entitled to honorable dismissal from the institution last attended.

Transfer credit is acceptable only when the grade on such work is the equivalent of at least a C grade at Saint Joseph's College. No credit will be allowed for work which is not declared prior to admission.

ADMISSION OF SPECIAL STUDENTS

Mature students who wish to pursue particular studies without being candidates for the degree may be admitted as special students if it seems that they can profit from such work. In no case, however, will an applicant under twenty-one years of age be considered eligible to enter as a special student unless he has graduated from high school.

Work done by special students will not be counted towards a degree until all entrance requirements have been fulfilled.

MATRICULATION

All students are expected to report on the campus on the days officially designated in the College calendar. No new student will be admitted to matriculation unless he has received official notice of acceptance from the Office of the Registrar.

REGISTRATION

No student will receive credit for any subject taken in a class for which he has not been duly registered.

After a student's class schedule has been approved, changes in the courses or class sections may not be made unless authorized by the Dean of the College.

Late Registration. Students failing to register or to pay fees and tuition on the registration days designated in the catalog must pay a late registration fee.

CLASS SCHEDULE

A "Schedule of Classes" is published at the beginning of each semester, showing the courses that are offered, the time of meetings, the room numbers, and the instructors. The College reserves the right to withdraw an announced course for which fewer than five students register. It also reserves the right to assign students to class sections and to limit the number of students who may elect a course in case the class becomes unduly crowded or is of such a nature that limited enrollment will be advantageous.

Faculty counselors will assist students in planning their programs of study. The suggested programs which are listed in the catalog for each department in which a major sequence is offered may serve as preliminary guides for the tentative selection of courses. In all cases it is advisable that the student select his major by the

end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives. A student's semester schedule of classes will not be considered final until it has been approved and filed in the Office of the Registrar. Opportunity for necessary adjustments in class schedules is provided during the first week of classes in each semester.

CLASS LOAD

The normal amount of work for which a student registers in one semester is sixteen or seventeen hours. To be classified as a full-time student he must register for a minimum of twelve semester hours, or for class work totaling at least fifteen periods per week. The maximum number of hours for which he may receive credit in any semester is nineteen. Permission to register for a course in excess of the normal load must be obtained from the Dean of the College; the basis for such permission shall be the student's ability as evidenced by previous college work. An extra tuition charge of \$10.00 for each credit hour in excess of seventeen will be applied to the student's account except in those cases where the departmental program recommended in the catalog requires more than seventeen hours in a particular semester.

CLASS ATTENDANCE

Students are required to attend regularly all lectures, laboratory exercises, tests, and examinations, with the reservations stated below.

Unexcused absences (hereafter called "cuts") are allowed in any semester course to the number of credits in that course; thus, two cuts are permitted in a two-credit course, three cuts in a three-credit course, etc.

N. B. This rule allowing cuts is not intended to afford opportunity for capricious skipping of class or for the extension of weekend trips or vacations. It is designed only to permit valid absences for substantial reasons, such as the following: temporary physical indisposition; trip home for dental work or medical consultation; special family events, such as reunions or anniversaries; attendance at the wedding or funeral of a friend or a relative not of the immediate family; student trip with the College Varsity.

Cutting beyond the number of times allowed puts the student into what is called "provisional status" and places upon him the burden of clearing himself promptly in the following manner:

having first presented to the instructor an official Dean-of-the-College voucher of payment of the required fee (\$2.00), he makes a passing grade in a special examination or does extra work to the satisfaction of the instructor. Failing to clear himself within seven days after his return to class, he loses credit for the course.

As soon as a student's cuts reach twice the number allowed, he automatically loses the semester credit in the course. He no longer has the opportunity afforded by "provisional status" as outlined in the preceding paragraph. Thus, in a three-credit course, a total of six cuts results in automatic loss of credit.

Not counted as cuts are unavoidable absences for certain reasons properly verified by the Dean of Men and so attested by his official voucher. This voucher is in each case to be presented to the instructor promptly. The following are the only reasons for which official vouchers are given:

- a) Such sickness of the student as incapacitates him for class attendance (so attested by the infirmarian or a physician).
- b) Death or serious illness in the student's immediate family.
- c) Attendance at the wedding of a brother or sister.
- d) Properly authorized engagement in the interests of the College.
- e) Properly authorized participation as a team member in intercollegiate competition.
- f) Official government summons.

Absences are counted from the first day of class in any course. Therefore, classes missed because of late registration are counted as cuts, except in these cases:

- a) A new student who has enrolled late in the College.
- b) A student who, with permission of the Dean of the College, transfers from one course to another course. Shifting to another section of the same course does not eliminate cuts taken in the first section.

A cut from the last class of any course before or from the first class after a holiday or recess is counted as a double cut except in the case of one-credit courses.

Tardiness and dismissal from class for disciplinary reasons may, at the instructor's discretion, be rated as cuts.

Cutting an announced test or examination incurs a grade of F. This may be removed by the passing of a special test after certification by the Dean of the College that the required fee has been paid. Excused absences may be handled in the same manner, except that the fee may be remitted by the Dean of the College.

THE DEAN'S LIST

Students who at the end of any grading period have earned a scholastic index of 2.50, or higher, are placed on the Dean's List. They are excused from the requirements of the cut system for the following grading period unless, in a particular instance, the instructor rules otherwise. Students on the Dean's List are, however, expected to be present for all announced tests and will be held responsible for the subject matter of the courses they are taking. If at any time during the grading period it becomes evident that excessive absence from class is endangering the student's progress, the Dean shall have the right to revoke the privilege.

WITHDRAWAL FROM COURSES

Having registered for a given course and presented the class-admission card to the instructor, a student may not withdraw from the course without written permission from the Dean of the College. The mid-term tests mark the limit of time for withdrawals. Thereafter, a student who fails to complete the course will be charged with a failure.

WITHDRAWAL FROM THE COLLEGE

Any student (except he be a graduating senior) who, as the end of a semester approaches, is aware that he will not register for the following semester is asked in courtesy so to inform the Registrar and the Dean of Men. About to withdraw from the College during a semester, he must report this fact to the Dean of Men and the Registrar; failing to do so he will forfeit title to honorable dismissal. Students who discontinue either during or at the end of a semester without having settled their financial obligations to the College will be refused honorable dismissal and official transcript of credit until all accounts are paid.

HONORABLE DISMISSAL

A student is granted honorable dismissal provided he is in good standing as far as personal character and conduct are concerned

and complies properly with the withdrawal procedure outlined in the previous paragraph. Scholarship has no bearing on this matter. If a student otherwise in good standing leaves while on scholastic probation or is dropped because of scholastic failure, he is entitled to honorable dismissal.

GRADES AND CREDITS

Credits. The unit of academic credit is the semester hour. It represents the work of a semester course which meets once weekly for a fifty-minute period requiring approximately two periods of preparation. Thus, a class which meets twice weekly carries two hours of credit; three times weekly, three credits. One laboratory period (two to four hours) is the equivalent of one class meeting. The passing grade required before a student can receive credit is D.

Grading System. Grades are given in letter symbols; no definite numerical value is indicated. The symbol A indicates excellent achievement; B, above average; C, average; D, acceptable but poor; E, conditional; F, failing; WP, withdrew passing; WF, withdrew failing; XP, too many cuts while passing; XF, too many cuts while failing; I, incomplete.

Grade Reports. Grade reports for all students are made to the Registrar twice each semester. The mid-semester reports are tentative indications of the student's progress; those following the semester examinations form his permanent record. Reports are issued to parents and students after each grading period.

Quality Points. A grade of A represents greater accomplishment in a four-credit course than does the same grade in a two or three-credit course. In order that a student's degree of success on the basis of both factors (amount of work represented by his courses, and the grades received) may be judged, use is made of the quality point. Quality points are assigned to grades according to the scale given below. The quality points assigned to a grade multiplied by the credits allowed in a subject will give the total points accruing to the student for his achievement in that subject.

Grades	Meanings	Quality Points
A	Excellent	3
B	Above Average	2
C	Average	1
D	Acceptable but Poor	0
E	Conditional	0
F	Failing	-1

Scholastic Index. The index expresses in one convenient symbol the ratio of a student's total quality points to his total credits. This ratio is found by dividing the sum of the student's quality points by the sum of his credits. Thus, if his points equal his credits, his index will be 1.00, indicating that he is maintaining himself at the general level of C.

Conditional Grade. A conditional grade, E, when incurred in the mid-semester tests will be treated as a failure in the computation of the tentative index. No examination to remove the conditional will be given at this time. A conditional grade in the semester examinations may be raised to a D by the successful passing of a second examination. This examination must be taken no later than five weeks after the date of incurring the condition. If the condition is not removed by a passing grade within that time, it reverts to a failure. In the computation of the index for the semester, the hours with a grade of E will not be considered until the condition has either been removed or has reverted to a failure.

Incomplete Grade. A course in which the grade of I is received will not be considered in computing the index until the incomplete is removed. If the I is not removed within five weeks after the semester (except in Honors Seminars), a grade of F will be assigned.

Probation and Dismissal. Instructors report to the Registrar, sometime in October, the names of those students whose progress is not satisfactory. This report and the mid-semester grades serve as an indication of the student's adaptability to his chosen program of studies. Both the parents and the student are informed when his work is below the required level at the mid-semester grading period.

At the semester grading period, freshmen and sophomores with index below 0.50 and juniors and seniors with index below 1.00 are placed on probation. If this status is not removed at the next semester grading period, the student will be dropped for poor scholarship unless on appeal for special reasons he is granted an extension by the Committee on Curriculum and Educational Policy. If he submits an appeal he must do so in writing and within two days after he receives notification of his status.

Students who, at the semester grading period, fail in as much as one-half of their work will be dropped for poor scholarship.

Students dropped for poor scholarship may, after the lapse of a semester, apply for readmission. If their application is approved,

they will be readmitted on probation and must maintain the scholastic index required by their classification. If dropped for poor scholarship a second time, they are not eligible for readmission.

CLASSIFICATION

Students are enrolled as **regular** when they meet all entrance requirements and have been approved for a course of studies leading to the bachelor's degree, as **special** if the course work is not to be counted toward the fulfillment of degree requirements. Students may be registered as either full-time or part-time students. A full-time student is one who is carrying a minimum of twelve semester hours of college credit, or who is registered for class work totaling at least fifteen periods per week.

A student is classified as a freshman if he meets the entrance requirements; as a sophomore when his record shows 28 semester hours of college credit; as a junior when he has earned 58 semester hours; and as a senior when he has completed 92 semester hours of credit.

ATHLETIC ELIGIBILITY

A student is eligible to participate in intercollegiate athletic contests under the following conditions:

1. Be of approved physical condition as certified by the College physician.
2. Meet the requirements for classification as a regular full-time student at Saint Joseph's College.
3. Have successfully completed a minimum of twelve semester hours of college credit in his last previous semester unless he is a beginning freshman.
4. Be in good academic standing as determined by the scholastic index requirement according to his classification.
5. Be eligible to play in a designated game according to the rules, policies, and approved practices of the Indiana Intercollegiate Conference with respect to amateur standing, length of previous participation, institutional transfer and similar matters.

It is the responsibility of the players as well as of the coaching staff to know and comply with the letter and the spirit of the athletic policies adopted and approved by the faculty.

AWARDS AND PRIZES

The recognition of merit in the individual is natural and proper as an incentive to personal and social progress. The awards and prizes listed below represent the College's attestation of the recipients' excellence in written and oral expression as demonstrated in the annual competitive exercises in a variety of fields. In all cases the College reserves the right to withhold an award if, in the opinion of the judges, none of the entries in a contest attains a standard of excellence sufficient to merit the distinction implied by the conferring of the award.

The Alumni Essay Award. The sum of twenty-five dollars is awarded annually to the student submitting the best English essay to a committee of three appointed by the Saint Joseph's Alumni Association, the donor of this award. The second prize is fifteen dollars.

This contest is open to all students. Contestants must submit three typewritten copies of their work, under an assumed name or some special mark of identification, to the professor in charge of the contest not later than May 1 of the current year.

The Mary J. Pursley Memorial Award for Creative Writing. This gift was made by the Most Rev. Leo A. Pursley, D.D., '21, Auxiliary Bishop of Fort Wayne. This is an annual award of fifty dollars for the best work in creative writing submitted to three judges. The purpose of the contest is to encourage the writing of good Catholic literature in the form of fiction, drama, or poetry.

The Hanley Science Award. A prize of one hundred dollars is awarded to the student who, in the estimation of the instructors in the Division of Natural Sciences, composes the best essay on some topic in the field of science or mathematics. The second prize is fifty dollars. The contest is limited to members of the junior and senior classes taking a major or minor sequence in the Division of Natural Sciences. Essays must be submitted no later than May 1 of the current year. The prizes are donated by Mr. William A. Hanley, '08, Indianapolis, Indiana.

Speech Contest. The contest is open to students who have given evidence of superior effort and ability in the course, Speech 1-2. The awards are fifteen, ten, and five dollars for first, second, and third place respectively.

CURRICULUM ORGANIZATION

All courses are grouped under the five Divisions: Religion and Philosophy, the Humanities, the Natural Sciences, the Social Sciences, and Education. Furthermore, Freshman courses (1-19) and Sophomore (20-29) are designated lower-level, while Junior (30-39) and Senior (40-51) are distinguished as upper-level courses on the basis of content and instructional procedures. Ordinarily, odd-numbered courses are offered during the first semester and even-numbered courses during the second semester.

GENERAL EDUCATION

The faculty of Saint Joseph's College has given considerable thought and effort to the building of a curriculum which will provide a sound program of general education for all students. It is generally agreed that colleges exist for the purpose of transmitting the cultural inheritance; that every educated person should have an acquaintance with the facts and the methods of inquiry in the chief fields of knowledge; and that learning must have breadth as well as depth. While, therefore, the courses in general education are wide in scope, they must not be regarded as shallow or superficial, for they have been designed to be both the foundation and the complement of the more specialized courses in designated fields of concentration.

The number of semester hours a student must earn on the lower level is a minimum of sixty. Of these, the following specified courses constitute, with the exceptions noted below, that part of the program of general education required of all. They are to be completed, ordinarily, by the end of the sophomore year.

	Semester Hours
Religion 2, 21, and 22	9 Spiritual Life and Catholic Worship; Apologetics; Catholic Dogma
Philosophy 1, 2, and 21 or 23	9 Moral Philosophy; Introduction to Thomistic Philosophy; General Psychology; Logic
English 1-2, 3-4, 5-6 or 7-8	6 Rhetoric and Composition; Freshman Literature
Speech 1-2	2 Fundamentals of Speech
Humanities 20, 21-22, 23-24, or 25	6 Literary Art Forms; English Literature; World Literature; Music Art Forms
Natural Science 2 and 3-4	9 Principles of Biological Science; Principles of Physical Science
Social Science 1-2	6 Development of Western Institutions
Social Science Elective	3 Economics; Geography; History; Politics; Sociology
	—
	50

Exceptions. 1. A student will be allowed to substitute specific related courses for those in which he already has a satisfactory acquaintance as shown through an examination. 2. Certain adjustments are provided for the student who at registration definitely plans to follow a program in the natural sciences, or teacher training. See details under these heads. 3. The extent to which the lower-level credits presented by the transfer student are acceptable in place of these required courses will be determined by the Dean of the College. 4. The non-Catholic student may substitute other courses for religion on both the lower and upper levels.

Foreign Language. While offered as a recognized element in liberal education, foreign language study is not required of all. However, German specifically is required of Chemistry majors; a foreign language (preferably German), of pre-medical students; and German or French is strongly recommended for the student planning to enter graduate school.

Examination. The General Culture Test will be required at the end of the sophomore year.

ADVANCED AND SPECIAL EDUCATION

Every approved sequence of courses leading to a bachelor's degree is based on the assumption that as the student advances, he must accept an increasing share of the responsibility for his own education. Within the framework of a few basic principles of organization and minimum essential requirements, he is encouraged to select advanced courses which best fit his needs, interests, and vocational aspirations. The suggested programs which are listed in the catalog for each department in which a major sequence is offered may serve as preliminary guides for the tentative selection of courses. In all cases it is advisable that the student select his field of concentration by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives.

The number of semester hours on the upper level required for graduation is a minimum of fifty. The program of advanced or special education will include the following:

Major Sequence. Ordinarily this will embrace a minimum of twenty-four semester hours of upper-level credit in a department, or, for a group major, thirty-six credit hours in a division of instruction.

Minor Sequence. Ordinarily this will be a minimum of twelve semester hours of upper-level credit in a department chosen for its

relation to the major sequence though not necessarily in the same division.

Religion and Philosophy. Three upper-level hours in religion and three in philosophy are required.

Electives. Additional courses to complete the fifty upper-level hours and the total minimum of 124 semester hours and 124 quality points required for graduation.

GRADUATION — DEGREES — HONORS

Residence. Completion of the college course requires normally that the student be in residence for eight semesters or the equivalent. Three six-week summer sessions are considered the equivalent of one semester. Academic credit earned in residence at another college or university will be accepted for transfer provided the quality of such work is the equivalent of at least a C grade at Saint Joseph's College. Work completed at off-campus extension centers is accepted up to sixty semester hours. Not more than twelve within this maximum of sixty hours may be taken by correspondence. The last thirty semester hours and thirty quality points must ordinarily be completed on the campus of Saint Joseph's College. For exceptions, see "Degree in Absentia."

Semester Hours and Quality Points. A minimum of 124 semester hours and quality points are required for graduation. The number of quality points earned in courses of the major sequence may never be less than the minimum credit hours required for the respective major. At least sixty hours must be completed on the lower level, including the prescribed work in general education; at least fifty hours, including the requirements of advanced and special education, must be completed on the upper level. Not more than forty-two hours in a single department will counted toward the minimum total required for graduation.

Examinations. In addition to the regular course examinations, the candidate for the degree must pass a comprehensive examination covering his major field. Preparation for this examination implies that from the very beginning the student will have organized the results of his study and reading with a view to permanent retention. The subject matter for the comprehensive examination in a departmental major covers the entire area of undergraduate preparation in that particular field of knowledge and is, therefore, not restricted to the specific subjects which the candidate has completed in course. The student will be tested on his knowledge of basic facts and principles, his insight into relationships and his

ability to apply what he has learned to the solution of typical problems. The norm for passing the examination may be stated as that degree of competence which would be obtained from a careful reading and independent study of standard texts proper to all courses, lower-level as well as upper, offered by the Department. The Divisional Chairman in consultation with the Dean of the College will determine the scope of the examination for the student who has selected a divisional or group major. Comprehensive examinations are written tests of approximately six hours in length and are administered about two weeks before the end of the semester. Furthermore, all seniors must take the Graduate Record Examination in their final year on the dates set down in the College Calendar.

Degrees. Saint Joseph's College confers the Bachelor of Arts degree in Biology, Biology-Chemistry, Chemistry, Economics, English, English-Journalism, Geology, History, Mathematics, Mathematics-Physics, Philosophy, Physical Science, and Social Science; the Bachelor of Science degree in Accounting, Business Administration, Education, and Physical Education. However, the student who majors in Biology, Chemistry, Geology, or Mathematics, may, if he prefers, receive the Bachelor of Sceince degree. Students completing the curriculum for the preparation of elementary teachers receive the Bachelor of Science in Education degree. (B.S. in Ed.)

Honors Seminar. As a means to promote scholarship and initiative on the part of superior students, those departments which offer a major also conduct an honors seminar. This is a course in independent study, directed reading, and research in the student's field of concentration, the results of which are to be formulated in a research paper. To be admitted the student must have in his junior year maintained a B average in his major sequence. Topics for research must be approved by the student's major professor.

Graduation With Honors, is conferred on the basis of successful completion of an honors seminar in the department of the student's major together with a cumulative index (through the four years of college) of 2.00 for the honor **Cum Laude**, of 2.50 for **Magna Cum Laude**, and of 2.75 for **Summa Cum Laude**.

Degree in Absentia. Students who have attained senior standing after the completion of three years of residence and who have then transferred to a school of law, engineering, or medicine may secure the degree in absentia. In addition to the requirements regarding total hours, advanced courses, major and minor sequences, and comprehensive examinations, the candidate will be required to show successful completion of the first year's work in the professional school in which he has enrolled.

D I V I S I O N S O F I N S T R U C T I O N

I. Division of Religion and Philosophy	50
Departments: Religion	
Philosophy	
II. Division of Humanities	57
Departments: English	
Journalism	
Modern Languages	
Classical Languages	
Music	
III. Division of Natural Sciences	69
Departments: Biology	
Chemistry	
Geology	
Mathematics	
Physics	
IV. Division of Social Sciences	93
Departments: Accounting	
Business Administration	
Economics	
History	
Politics	
Sociology	
V. Division of Education	112
Departments: Elementary Education	
Secondary Education	
Physical Education	

DIVISION OF RELIGION AND PHILOSOPHY

The courses in religion and philosophy are designed to present a rational explanation of the universe, man, and God. They stress the philosophical principles fundamental to a deeper understanding of revealed truths and show the relation of religion and philosophy to other fields of knowledge. Their purpose is to expand the student's knowledge and enrich his appreciation of Catholic teaching, and thereby offer him incentives to shape his individual and social life in accordance with that teaching.

DEPARTMENT OF RELIGION

In addition to the regular courses in Religion, the Department offers a series of special courses in Theology during the summer session. Students who complete the entire series of eight courses may qualify for the A.B. degree in Theology, provided they have completed all other catalog requirements for graduation. Details of the special program are given in the Summer Session Bulletin.

A minor sequence in the Department of Religion consists of a minimum of twelve semester hours on the upper level. Nine semester hours on the lower level and three on the upper level are obligatory for all Catholic students. Included must be courses 2, 21, and 22. Pre-theological students will take courses 3-4 and 23-24.

Suggested Program of Courses for Students Wishing to Qualify for Admission to a Major Theological Seminary after the Sophomore Year**FRESHMAN YEAR**

	Semester Hours	
Religion 3-4	2 2	Life of Christ
English 3-4 (5-6 or 7-8)	3 3	Rhetoric and Composition; Literature
Greek 1-2	3 3	Introductory Greek
Latin 5, 6	3 3	Cicero; Horace
Latin 7-8	1 1	Latin Prose Composition
Natural Science 3-4	3 3	Principles of Physical Science
Social Science 1-2	3 3	Development of Western Institutions
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	18 18	

SOPHOMORE YEAR

Religion 23-24	2 2	Sacraments and Commandments
Humanities 23-24	3 3	World Literature
Greek 21	3	The Greek New Testament
Latin 21, 22	3 3	Livy; Patristic and Medieval Latin
Latin 25-26	1 1	Latin Prose Composition
History 21, 22	3 3	European Civilization since 1500
Natural Science 2	3	Principles of Biological Science
Philosophy 23	3	Logic
Speech 12	2	Introduction to Public Speaking
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	18 17	

COURSES IN RELIGION**2. Spiritual Life and Catholic Worship 3 hours**

This course is intended to direct the student's mind to the spiritual values in the seven sacraments as the sources of supernatural life. The origin and nature of the sacraments are shown in relation to their effect in the individual and social order. Special emphasis is laid on the Holy Eucharist as sacrament and sacrifice.

3-4. The Life of Christ 4 hours

This course presents the life of Christ as based on a detailed and coordinated reading of the four Gospels. The aim and purpose is to furnish source and background for scientific theological study and a quickening and deepening of religious spirit through the study of the Christ of the Gospels.

21. Apologetics 3 hours

Apologetics leads the student to an understanding of the Church as founded by Christ. The study proceeds by means of rational proof for the preliminaries of faith, the existence of God, the immortality of the soul, and the fact of Christian revelation.

22. Catholic Dogma 3 hours

Revealed truth as defined in the dogmas of the Church is presented in systematic manner: The One God, the Trinity, the Creation, Incarnation and Redemption, Divine Grace, Veneration of the Saints, the Last Things. Expected from the student is familiarity with source material from Sacred Scripture and the doctrinal decisions of the Church.

23-24. Sacraments and Commandments 4 hours

Intended for pre-theological students, this course deals with the doctrine of the seven sacraments in their origin, nature, and effects, and with the practical theology of the divine precepts.

30. Christian Marriage 3 hours

Catholic moral teaching is applied to the daily life of the Christian in the world, with a special study of individual and social problems involved in courtship, marriage, and family.

33. History of the Early and Medieval Church 3 hours

The history of the Catholic Church from the time of the Apostles to Pope Boniface VIII. (Offered in 1953-54.)

34. Modern Church History 3 hours

In this course the medieval decline is presented in the light of the rising nationalism and individualism of the modern age. Special attention is given to the causes of the Reformation and to the Catholic revival and counter-reform. (Offered in 1954-55.)

35. Liturgy for the Layman 3 hours

This course, by acquainting the layman with the liturgy of the Church, prepares him to participate in her ceremonies with understanding and profit.

41. Introduction to Sacred Scripture 3 hours

The Church's doctrine on the inspiration of the Bible and the canonicity of the sacred books serves as a general introduction to scripture study. Readings from the Old Testament and a study of some of the problems connected with the historic books are included in this course. (Offered in 1953-54.)

42. The New Testament 3 hours

This course includes introductory materials to the study of the New Testament and treats particularly the four Gospels as the inspired life of Christ. (Offered in 1954-55.)

48. History of the Church in North America 3 hours

Early foundations of the Church in North America; growth and expansion throughout the nineteenth century; present status of the Church. (Offered in 1954-55.)

DEPARTMENT OF PHILOSOPHY

The Department of Philosophy offers both a major and a minor sequence. A major sequence consists of a minimum of twenty-four semester hours on the upper level and must include courses 30, 31, 32, 33, and six hours from 41, 42, 43, and 44. A minor sequence consists of a minimum of twelve semester hours on the upper level.

Nine semester hours of philosophy on the lower level and three on the upper level are required of all students. Courses 1, 2, and 21 or 23 are obligatory.

**Suggested Program of Courses for the A.B. Degree
with Philosophy as Major Sequence ****

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Speech 1-2	1 1	Fundamentals of Speech
Natural Science 2	3	Principles of Biological Science
Social Science 1-2	3 3	Development of Western Institutions
Electives	3 3	Foreign Language or Mathematics
Physical Education 1-2	- -	Physical Education (Required Course)
	16	16

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 23, 21	3 3	Logic; General Psychology
Humanities 21-22; 23-24; 20, 25	3 3	English Literature; World Literature; Literary Art Forms; Music Art Forms
Natural Science 3-4	3 3	Principles of Physical Science
Speech 21-22	1 1	Advanced Speech
Electives	3 3	Foreign Language or Social Science
	16	16

JUNIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Liturgy; Church History; Sacred Scripture
Philosophy 30 or 32	3	Theory of Knowledge; Natural Theology
Philosophy 31 or 33	3	Philosophy of Being; Philosophy of Nature
Philosophy 41, 42 or 43, 44	3 3	History of Philosophy
Philosophy 34	3	Professional Ethics
Minor Sequence	3 3	
Electives	3 3	Foreign Language or Social Science
	15	15

** Programs for designated majors should be viewed as suggested patterns and not as rigid schedules. By the end of his sophomore year, the student should select a field of concentration and with the guidance of his faculty counselor plan his course of studies for the junior and senior years.

SENIOR YEAR

Philosophy 30 or 32	3	Theory of Knowledge; Natural Theology
Philosophy 31 or 33	3	Philosophy of Being; Philosophy of Nature
Philosophy 41, 42 or 43, 44	3 3	History of Philosophy
Philosophy 46	3	Philosophy of Science
Philosophy 51	3	Honors Seminar
Minor Sequence	3 3	
Electives	3 3	
	<hr/> 15 15	

COURSES IN PHILOSOPHY**1. Moral Philosophy 3 hours**

A fundamental course in individual and social ethics dealing with human acts, the moral law, conscience, rights and duties. There is special emphasis on the practical application of ethical principles to modern problems, individual and social.

2. Introduction to Thomistic Philosophy 3 hours

This course attempts to provide the beginner with a sympathetic introduction to the basic concepts and principles of Thomistic philosophy. Systematic rather than historical, it presents the various parts of the Thomistic teaching in their interrelation.

21. General Psychology 3 hours

The rational principles underlying the study of life — vegetal, sentient, and intellectual. The relation of the philosophy of man to the science of psychology is presented with special emphasis on the Thomistic doctrine of the faculties and the soul.

23. Logic 3 hours

This course aims to develop the sense of correct thinking by a study of concepts and terms, judgments and propositions, immediate inference, deduction, scientific method, and the sources of fallacies.

30. Theory of Knowledge 3 hours

A study of knowledge in its metaphysical implications. A consideration of being as intelligible, and of intellect as related to reality. This course consists principally in reflections upon the nature of knowledge, critical judgments concerning the sources of knowledge, and an ultimate evaluation of knowledge. (Offered in 1954-55.)

31. Philosophy of Being

3 hours

The study of being in its most fundamental aspects. This branch of systematic philosophy deals with the Thomistic concepts of act and potency, the nature of causality, transcendentals, and predicaments, in order to furnish the student with the broad and basic ideas essential to the synthetic grasp of reality. (Offered in 1953-54.)

32. Natural Theology

3 hours

The study of the proofs of the existence of God in their historic background together with the modern criticism. The doctrine of analogy receives special emphasis. (Offered in 1954-55.)

33. Philosophy of Nature

3 hours

This course integrates present-day scientific discovery with the basic Thomistic principles. The problem of finality, the laws of nature, and space and time are studied in the light of traditional principles. (Offered in 1953-54.)

34. Professional Ethics

3 hours

This course is an application of the principles of moral philosophy to professional life. Selected questions are studied and discussed with a view to offering norms of action in matters of right and duty in the various professions.

35. Survey of Thomistic Philosophy

3 hours

This course is especially suited to the student whose work in philosophy on the upper level is limited to three hours. It aims to give a coordinated account of the basic Thomistic doctrine on nature, knowledge, and God.

41. History of Ancient Philosophy

3 hours

A course in early philosophy, especially of the Greek thinkers. The progress of philosophic thought is presented by means of sources studied in their background, class discussions, and written reviews. (Offered in 1953-54.)

42. History of Medieval Philosophy

3 hours

The study of philosophic thought from the patristic age to the scholastic decline. Scholasticism is examined in the light of the present-day need for a perennial philosophy. (Offered in 1953-54.)

43. History of Modern Philosophy 3 hours

A study of modern thinkers against the background of the Renaissance, the Reformation and the rise of science. Special attention is given to the impact upon the contemporary world of such men as Descartes, Spinoza, Leibniz, Bacon, Newton, Locke, Hume, Rousseau, Kant, Hegel, Mill, and Spencer. (Offered in 1954-55.)

44. Contemporary Philosophy 3 hours

A critical evaluation of Bergson and the philosophy of the spirit, Husserl and the phenomenological method, Neo-positivism, the Analytical Philosophers, Dialectical Materialism, Pragmatism, the Metaphysical Renaissance, and Existentialism. (Offered in 1954-55.)

46. Philosophy of Science 3 hours

For the more advanced student of both philosophy and science this course seeks solid foundations for scientific coordination in the basic principles of Thomism. Extensive readings in the history of science and of philosophy are required.

Prerequisite: Philosophy 33.

51. Honors Seminar in Philosophy 3 hours

DIVISION OF THE HUMANITIES

The primary purpose of the teaching in this Division is to develop some degree of appreciative understanding and power of expression in language, literature, and music, which are generally valued for their refining influence. This involves also some attention to the relation between principles of art and the Catholic tradition. Another objective is to enlarge the student's acquaintance and enrich his sympathy with the culture of peoples as reflected in their language, literature, and music. It is in the nature of the humanities that they contribute to the aims of general education; the upper-level courses make possible concentration in certain departments.

A major is offered in English and in English-journalism; minors, in English, journalism, modern language, music, and speech.

DIVISIONAL COURSES

The Division contributes to the program of general education these courses: Freshman English 1-2, 3-4, 5-6, 7-8, and the sophomore humanities courses 20, 21-22, 23-24, 25, and 27. All students must, for graduation, show six semester hours in freshman English and six selected from the sophomore humanities.

20. Literary Art Forms

3 hours

A reading course in the main types of literature with interpretative analysis of basic forms, functions, and artistic values. The aim is to supply a basis for intelligent appreciation of quality. Written practice in some of the types is required.

21-22. English Literature

6 hours

A chronological perspective of eight centuries noting the interrelation of authors, movements, and, to some extent, of other literatures with English, but stressing a critical appreciation of various literary forms as they are met.

23-24. World Literature

6 hours

Great classics — ancient, medieval, and modern — are read in translation with attention to the continuity of broad literary trends, to the interrelation of literatures, and to such artistic values as are preserved in translation.

25. Music Art Forms

3 hours

The aim of this course is to lay the foundation for an intelligent appreciation of music and of its relation to human experience. The nature of music, its forms, and its development are studied.

with some attention to the great composers in various periods. Listening to records and specified radio programs and attendance at local concerts are integrated with the course.

27. Art: History and Appreciation 3 hours

A course designed to furnish the student with a background for an understanding of the arts and to broaden his judgment in regard to what constitutes beauty and good taste. A brief survey of painting, sculpture, architecture, and the minor arts of all periods.

DEPARTMENT OF ENGLISH

The aims of the Department of English are: 1. To teach the student to read with understanding and to write and speak with correctness, with exactness, and with some artistry. 2. To develop a capacity for enjoyment of literature, especially of the major English and American authors. 3. To cultivate what Newman calls "enlargement of mind," which embraces breadth and depth of view, critical judgment, and good taste. 4. To provide adequate preparation for graduate studies, for teaching in secondary schools, and for the study of journalism.

A major sequence comprises a minimum of twenty-four semester hours in upper-level courses including at least one semester in each of Shakespeare, Catholic Literature, and American Literature, and in speech unless the student has four hours in lower-level speech. Courses in speech and dramatics may be included as part of the departmental major, but they are not included in computing the maximum hours permitted in a single department.

A minor sequence consists of at least twelve semester hours in upper-level courses.

The group major sequence in English-journalism comprises a minimum of thirty semester hours in upper-level courses in the two departments so distributed that there be at least twelve in each, including always semester courses in Catholic Literature, American Literature, and in speech unless the student has four hours in lower-level speech. The selection and distribution of courses to compose the group sequence must be approved by the Chairman of the Division.

Special Departmental Regulations. Entering freshmen, and transfer students without credit in freshman composition work, must take a placement test in the mechanics of expression. Placement test scores and high school grades are the basis for assigning students to class sections in Freshman English.

Prior to the semester examination, students in Freshman English will be required to take an objective test administered by the Department. The results will be combined with those in the course examinations to determine promotion and revision of class sections for the second semester. Successful completion of six credits in Freshman English (1-2, 3-4, 5-6, or 7-8) is a pre-requisite to registration for upper-level courses in English.

A list of obligatory readings is issued by the Department for all freshmen.

**Suggested Program of Courses for the A.B. Degree
with English as Major Sequence ****

FRESHMAN YEAR

		Semester Hours	
Religion 2	3	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4, 5-6, or 7-8	3	3	Rhetoric and Composition; Literature
Speech 1-2	1	1	Fundamentals of Speech
Natural Science 2	3		Principles of Biological Science
Social Science 1-2	3	3	Development of Western Institutions
Electives	3	3	Foreign Language or Humanities
Physical Education 1-2	-	-	Physical Education (Required Course)
		16	16

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21	3		General Psychology
Humanities 21-22; 23-24; 20; 25	3	3	English Literature; World Literature Literary Art; Music Art Forms
Natural Science 3-4	3	3	Principles of Physical Science
Speech 21-22	1	1	Advanced Speech
Social Science	3		Economics; Geography; History; Politics; Sociology
Electives	3	3	Foreign Language; Journalism; Economics
		16	16

** The student who intends to major in English-Journalism should see that in his sophomore year he includes Course 21, Introduction to Journalism.

JUNIOR YEAR			
Religion 30	3	Christian Marriage	
English 31-32 or 33-34	3 3	Shakespeare; American Literature	
English 35-36 or 37, 38	3 3	Creative Writing; Victorian Age; Catholic Literature	
English 41-42 or 43, 44	3 3	Literary Criticism; Chaucer; Ro- manticism	
Speech 31-32	2 2	Public Discussion and Debate	
Minor Sequence	3 3		
Elective	3	Recommended: History or Philosophy	
	<hr/> 17 17		

SENIOR YEAR			
Philosophy 34	3	Professional Ethics	
English 31-32 or 33-34	3 3	Shakespeare; American Literature	
English 35-36 or 37, 38	3 3	Creative Writing; Victorian Age; Catholic Literature	
English 41-42 or 43, 44	3 3	Literary Criticism; Chaucer; Ro- manticism	
English 45 or 51	3	English Novel; Honors Seminar	
Minor Sequence	3 3		
	<hr/> 15 15		

COURSES IN ENGLISH

1-2. Fundamentals of English **6 hours**

A two-semester course designed to supply correction for deficiencies in the fundamentals of grammar, syntax, and spelling. During the first semester the class meets five periods per week for intensive drill and practical exercises in basic English skills. Included also is instruction in the proper and efficient use of the library. During the second semester three periods each week are used to complete the minimum requirements in Freshman English.

3-4. Rhetoric and Composition **6 hours**

A course intended to give facility in the use of English as a tool in college work. The principles of grammar are reviewed and frequent written exercises are required. Library orientation is a part of the course.

5-6. Advanced Rhetoric and Composition **6 hours**

A course for those freshmen whose showing in placement tests indicates ability for more advanced composition with emphasis on rhetorical analysis and creative writing. Library orientation is included.

7-8. Freshman Literature **6 hours**

A course restricted to certain pre-theological students who have pursued a college-preparatory curriculum. Advanced composition is integrated with study of major American authors in the first

semester and of Catholic authors in the second. Library orientation is included.

27. Business and Technical Writing

3 hours

Practice in the writing of business letters, and in the preparation of reports, outlines and digests of research, and other types of technological papers.

31-32. Shakespeare

6 hours

A critical study of Shakespeare's life and works. The first semester treats his life, the histories, and the comedies; the second semester, the tragedies. (Offered in 1954-55.)

33-34. American Literature

6 hours

The major prose and poetry writers of American literature are studied critically and historically. (Offered in 1953-54.)

35-36. Creative Writing

6 hours

Students express themselves creatively in various types of composition. In the first semester, emphasis is on personalized exposition, character sketches, stream-of-consciousness writing, and brief dialogue narratives; in the second, these are combined in longer forms: short stories, one and three-act plays, narrative and lyric poetry. Approximately one thousand words of writing weekly and pertinent reading assignments are required.

37. The Victorian Age

3 hours

An appreciative study of the great Victorian poets and prose writers and their relation to modern ideas. (Offered in 1954-55.)

38. Catholic Literature

3 hours

The course introduces the student to Catholic literature in English, fosters appreciative recognition of its quality, notes its ties with Catholic literature in other tongues, and traces its relation to social backgrounds. (Offered in 1954-55.)

41-42. Literary Criticism

6 hours

This course leads the student to recognize the significance of literature as a channel of culture and a challenge to thought by relating it to a philosophy of life, particularly as represented in the European tradition. Insight into literary principles, criteria, and techniques is given him through selected readings. The relative merits of the technical, moral, aesthetic, impressionistic, and judicial schools of criticism are reviewed in a manner to foster discriminating judgment. (Offered in 1954-55.)

43. Chaucer	3 hours
Readings in Chaucer and his contemporaries, with emphasis on literature and life rather than on linguistics. (Offered in 1953-54.)	
44. Romanticism	3 hours
A critical study of the main poets and prose writers of the Romantic movement and its relation to the times. (Offered in 1953-54.)	
45. The English Novel	3 hours
Beginning with an historical investigation of their antecedents, the student turns to a special consideration of the novelists of the nineteenth century. Informal lectures, readings, and reports. (Offered in 1953-54.)	
51. Honors Seminar in English	3 hours

COURSES IN SPEECH

1-2. Fundamentals of Speech	2 hours
A beginning course in the basic principles of speech. Emphasis is placed on the voice and its mechanics, enunciation, pronunciation, and projection. Practice and criticism in various types of speaking.	
21-22. Advanced Speech	2 hours
A study and application in composition and delivery of the principles underlying persuasive speaking. Practice in extemporaneous speaking on subjects of current interest and the student's choice, with attention given to content, organization, and essentials of effective presentation.	
Prerequisite: Speech 1-2	
31-32. Public Discussion and Debate	4 hours
A thorough study of the principles and problems involved in panel, group, and parliamentary discussion techniques. The study of formal argument in its relation to practice and contest debating.	
Prerequisite: Speech 1-2	
33. Oral Interpretation of Literature	2 hours
A course designed to develop ability in interpreting the meaning of the printed page and in communicating that meaning to others. Practice in interpretation of poetry, prose, dramatic literature, and the monologue. (Offered in 1953-54.)	
Prerequisite: Speech 1-2	
35-36. Fundamentals of Acting	2 hours
A course in the elements of acting, including concentration, memory of emotion, dramatic action, characterization, observation, and rhythm. Students participate in College productions.	

38. Fundamentals of Play Production 2 hours

A course in the elements of acting and the technical aspects of play production to prepare the student to direct plays in schools and communities. Attention is given to the problems of casting, rehearsals, the use of stage areas, scenery, and make-up. Students participate in College productions.

40. Oral Interpretation of Modern Drama 2 hours

A study in the interpretation of modern drama from Ibsen to the present day. (Offered in 1954-55.)

DEPARTMENT OF JOURNALISM

The aims of the Department are: 1. To prepare the student for practical work in journalism or for graduate study in the field. 2. To make him aware of the opportunities and moral responsibilities of the Catholic journalist.

For requirements of an English-journalism major, see under English.

For a minor sequence in journalism the student must show twelve semester hours in upper-level courses.

COURSES IN JOURNALISM**21. Introduction to Journalism 3 hours**

A basic course to acquaint the prospective journalist with his field and to show the importance of a broad background in other areas. The course considers staff organization, newsroom and composing room procedure, the wire services and syndicates, the press and the law. As current problems in journalism are studied, applications are made principally to the small-city daily. This course should be taken before the student registers for the upper-level work, especially for courses 31, 32, and 44.

31. News Writing and Reporting 3 hours

A practical course stressing news values, news sources, accurate gathering of news materials, structure and style of news stories, and interviews.

32. Editing 3 hours

Study and practice in copyreading, re-writing, headline writing, proofreading, page makeup, and type and printing methods. Particular emphasis is placed upon the preservation of good taste and high moral standards in the editing of copy.

34. Feature Writing 3 hours

A practical course in the techniques of feature writing and their application to the various types of feature stories and special articles.

41. The Editorial Page 3 hours

Study and practice in writing the editorial, with analysis of points of weakness and strength; elements which compose an editorial page; the editor's responsibility to society; the technique of propaganda.

44. Newspaper Management and Advertising 3 hours

A study of the business side of newspaper production. Consideration of the various departments: administration, accounting, circulation, promotion, and especially advertising. (Offered in 1954-55.)

46. Ethics of Journalism 3 hours

An application of ethics to the press in the light of current problems and professional codes; a study of the laws, such as those of libel and copyright, which affect the relationship between the press and society. (Offered in 1953-54.)

DEPARTMENT OF MODERN LANGUAGES

The primary aim in the teaching of the modern languages is to train the student to some proficiency in reading and understanding the language he studies and to some facility in speaking and writing. A second aim is to give him an acquaintance with the literature, culture, and history of the people represented by the language. In addition, the Department provides adequate preparation for teaching of the language in secondary schools.

In order that the first of these aims may be realized with some degree of completeness, the student is urged to take at least two years of a language. No credit will be given for less than one year of beginning work; that is, credit for the first semester in an introductory course will be withheld until the second-semester work has been successfully completed. Students who have completed two or more units of a language in high school may be admitted to the second semester of the college introductory course or even to the intermediate course in that language by passing a qualifying test.

In each of the three languages, French, German, and Spanish, there is available a minor sequence consisting of twelve semester hours in upper-level courses.

COURSES IN FRENCH

- 1-2. Introductory French 6 hours

Careful training in the fundamentals of French grammar and pronunciation. Simultaneous development of the four ends of language study: reading, comprehension, writing, and speaking.

- 21-22. Intermediate French 6 hours

Intensive reading of selected short stories, plays, and excerpts which treat of French customs and culture. Review of grammar. Exercises in writing and speaking.

31. Advanced French Composition 3 hours

Exercises in idiomatic construction and beauty of expression.
Prerequisite: French 1-2 and 21-22, or equivalent.

32. French Literature 3 hours

A survey of French literature from its beginnings to the nineteenth century. Reading assignments and written reports.

- 41-42. French Literature 6 hours

A survey of French literature of the nineteenth and twentieth centuries. Special emphasis on the Catholic Renascence. Reading assignments and written reports.

COURSES IN GERMAN

- 1-2. Introductory German 6 hours

Exercises in pronunciation, essentials of grammar, and functional vocabulary. Intensive reading from graded texts.

- 21-22. Intermediate German 6 hours

Review of grammar. Practice in reading and writing. Required selections from modern works in the narrative, dramatic, and scientific styles.

26. Scientific German 3 hours

An intensive reading course for students majoring in science. This course may be substituted for German 22.

- 35-36. History of German Literature 6 hours

A survey of German literature. Reading assignments; oral and written reports.

- 41-42. German Drama 6 hours

A study of the works of Goethe and Schiller as representative of the classical period, and the reading of modern dramatists from Kleist to Hauptmann.

COURSES IN SPANISH

- 1-2. Introductory Spanish** 6 hours

Drill in the basic grammatical rules with emphasis on the development of reading and conversational ability. Written exercises are required.

- 21-22. Intermediate Spanish** 6 hours

Review of grammatical forms. Advanced grammar and syntax. Reading of graded texts. Practice in conversation and written reports.

- 26. Commercial Spanish** 3 hours

Study of the language used in business, its forms and idioms. Special attention is given to letter writing and other business documents.

- 31-32. Spanish Literature** 6 hours

Survey of Spanish literature from its beginnings to modern times. Selected readings from the most important authors. Written and oral reports. (Offered in 1954-55.)

- 41-42. Spanish-American Literature** 6 hours

A survey of Spanish American literature with emphasis on the nineteenth and twentieth centuries. Selected readings from representative authors from the various countries. (Offered in 1953-54.)

DEPARTMENT OF CLASSICAL LANGUAGES

The aim of teaching in the Greek courses is: 1. To give the student a reading knowledge of the Greek New Testament. 2. To impart some understanding of the contribution which Greek has made to the English language.

The aim of teaching in the Latin courses is: 1. To develop in the student a knowledge of the Latin language to an extent that he may be able to read, understand, and appreciate masterpieces of Latin literature. 2. To prepare him to continue his studies in a major seminary.

COURSES IN GREEK

- 1-2. Introductory Greek** 6 hours

The course aims to impart the fundamentals of inflection and rules of syntax as found in the Greek of the New Testament.

- 21. The Greek New Testament** 3 hours

The course aims to impart a reading knowledge of the Greek New Testament through the reading of some selections from the Gospel of St. Luke and The Acts of the Apostles.

COURSES IN LATIN**1-2. Introductory Latin 6 hours**

A course designed for students who have not taken Latin in high school; it covers in one year the matter usually taken in two years of high school Latin.

3-4. Intermediate Latin 6 hours

A course designed for students who present two years of Latin from high school. The Catilinian Orations and selections from Vergil's Aeneid form the subject matter of the course.

5. Cicero 3 hours

Selections from the De Amicitia, De Senectute, Pro Archia, and from the Letters of Cicero.

Prerequisite: Latin 3-4 or equivalent.

6. Horace 3 hours

Selected Odes, Epodes, Satires, and the Ars Poetica.

7-8. Latin Prose Composition 2 hours

Graded exercises for translating from English to Latin. This course is complementary to Latin 5 and 6.

21. Livy 3 hours

Roman History: selections from Books 21, 22, 24, and 25.

22. Patristic and Medieval Latin 3 hours

Selections from the writings of the Fathers of the Church. A study of Latin hymnody.

25-26. Latin Prose Composition 2 hours

A continuation of Latin 7-8.

DEPARTMENT OF MUSIC

The Department aims to further the intellectual and artistic development of the student through the medium of music theory and practice. In addition to the courses in musical theory, instruction in applied music is available in voice, piano, organ, and all band and orchestral instruments.

COURSES IN MUSICAL THEORY**1. Basic Theory 2 hours**

An introductory course in musical theory covering musical notation, scales and intervals to prepare the student for further work in theory.

2. Ear Training	2 hours
A course designed to train the student in identifying intervals, chords and melodies.	
23-24. Harmony	4 hours
The study of chords and their progressions. Also a complete study of cadences, transitions, and modulations.	
Prerequisite: Music 1.	
33. Counterpoint I	2 hours
Strict and Free Counterpoint — four species; two-voiced counterpoint.	
Prerequisite: Music 23-24.	
34. Counterpoint II	2 hours
Florid counterpoint — fifth species, canon, and fugue; three and four-part counterpoint.	
Prerequisite: Music 33.	
35-36. Orchestration	4 hours
A study of the characteristics of the instruments; scoring of compositions for band and orchestra.	
Prerequisite: Music 23-24.	
43-44. Composition	4 hours
Original composition.	
Prerequisite: Music 34.	

COURSES IN APPLIED MUSIC

11-12. Voice or Instrument	2 hours
Private instruction in the following fields of applied music are offered: a) voice b) piano c) organ d) violin or other string instruments e) wind instruments f) percussion instruments.	
21-22. Voice or Instrument	2 hours
A continuation of Applied Music 11-12.	
31-32. Voice or Instrument	2 hours
A continuation of Applied Music 21-22.	
41-42. Voice or Instrument	2 hours
A continuation of Applied Music 31-32.	

DIVISION OF NATURAL SCIENCES

The Division of Natural Sciences comprises three fields: mathematics, the physical sciences, and the biological sciences. The general aim of the Division is to foster an appreciation of the material world as a masterpiece of God's creation and thereby to make an integral contribution to the program of liberal education.

Both the divisional and departmental courses are designed to enable the student to obtain: 1. Factual information about the material world. 2. An understanding of the difficulties involved in gaining this information and a knowledge of some of the methods used for overcoming such difficulties. 3. An ability to comprehend and to evaluate critically statements concerning the subject matter of the sciences. 4. Knowledge of some accepted solutions to the problems posed by time and quantity, the physical world and living organisms, and the application of these solutions to the problems of modern living.

The departmental courses have these further purposes: 1. To develop skill in the generally accepted methods of scientific investigation. 2. To prepare the student for work in graduate or professional schools. 3. To meet the needs of those students who are preparing for entrance into certain vocational fields upon graduation.

The Division of Natural Sciences offers a major sequence leading to the A.B. or B.S. degree in each of the following Departments: Biology, Chemistry, Geology, and Mathematics. Engineering students may receive the A.B. degree in Physical Science by completing one of the engineering programs described on pages 88-91. The minimum requirements for a major or a minor sequence are prescribed by the respective department.

Students majoring in the natural sciences will substitute the prerequisite departmental courses on the lower level for the nine semester hours of divisional courses in natural sciences otherwise demanded in fulfillment of the requirement in general education.

A group major in biology-chemistry is offered by the Division for pre-medical students. The minimum requirement is thirty-six hours in upper-level courses in biology and chemistry so distributed as to include a minimum of sixteen in each department. This group major must include the following upper-level courses: Biology 39, 43-44, and Chemistry 31-32, 33, and 41. No minor sequence is required.

The Division offers also a group major in mathematics-physics. The minimum requirement is thirty-six semester hours in upper-level courses chosen by the student in consultation with the Chairman of the Division. Mathematics 31, 34, 41, and Physics 31, 41-42, and 44 must always be included. No minor sequence is required.

DIVISIONAL COURSES**2. Principles of Biological Science 3 hours**

This course, designed for the student who does not intend to major in the natural sciences, affords him an opportunity to obtain some understanding and appreciation of the basic principles of biological science and an acquaintance with some of the more commonly known plant and animal forms. These are studied in their relation to man as a living entity sharing certain functions with them, dependent upon them for nutrition, clothing, medicine, and industrial processes, or guarding himself against them for purposes of health. Four hours a week: two lectures and one two-hour demonstration.

3-4. Principles of Physical Science 6 hours

This course, for the student who does not intend to major in the natural sciences, deals with the chief concepts, theories, and laws by which physical scientists explain the phenomena of the external world in so far as these serve as a background for the understanding of our technical civilization. The topics are selected from physics, astronomy, chemistry, geology, and mathematics.

DEPARTMENT OF BIOLOGY

The departmental courses in biology are intended to help the student acquire: 1. A knowledge of the basic principles of the biological sciences and some skill in the application of the scientific method to biological problems. 2. The necessary background for work in graduate or professional schools of medicine, dentistry, or biological science. 3. The biological background for certain professional careers such as teaching biology in secondary schools or working with biological surveys and in museum laboratories.

The minimum requirement in upper-level courses for a major sequence in biology is twenty-four semester hours; for a minor sequence, twelve semester hours.

Majors in biology must show credit in Chemistry 31-32 and Physics 21-22. Pre-medical students must show four semesters of credit, or the equivalent, in a modern foreign language. German and French are recommended.

Laboratory fees: Biology 1, 2, 3, and 12, each \$5.00. Biology 31, 32, 34, 39, 40, 41, 43, 44, 45, and 51, each \$7.50.

**Suggested Program of Courses for the A.B. or B.S. Degree
with Biology as Major and Chemistry as Minor Sequence ****

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1	3	Moral Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Biology 1, 2	4 4	Zoology; Botany
Chemistry 1, 2	4 4	General Inorganic; Qualitative
Mathematics 1, 3	3 3	Algebra; Trigonometry
Physical Education 1-2	- -	Physical Education (Required Course)
	17	17

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 2	3	Introduction to Thomistic Philosophy
Humanities 21 or 23 or 25	3	English Literature; World Literature; Music Art Forms
Physics 21-22	4 4	College Physics
Biology 31-32	3 3	Comparative Vertebrate Anatomy
Social Science 1-2	3 3	Development of Western Institutions
Speech 1-2	1 1	Fundamentals of Speech
	17	17

JUNIOR YEAR

Philosophy 21	3	General Psychology
German 1-2	3 3	Introductory German
Biology 33, 34	2 2	History of Medicine; Microtechnique
Biology 39, 40	4 4	Embryology; Animal Histology
Chemistry 31-32	4 4	Organic Chemistry
Humanities 20 or 22 or 24	3	Literary Art Forms; English Literature; World Literature
	16	16

SENIOR YEAR

Religion 30	3	Christian Marriage
Philosophy 34	3	Professional Ethics
German 21, 26	3 3	Intermediate; Scientific German
Biology 43-44	4 4	Bacteriology
Chemistry 33 or 41	4	Quantitative Analysis; Elementary Physical Chemistry
Chemistry 34 or 42	4	Adv. Quantitative; Biochemistry
Biology 51	3	Honors Seminar
Social Science, Upper-level	3	History; Sociology
	17	17

** Students who prefer a group major in biology-chemistry will take Chemistry 41 in the junior year in place of Biology 33.

COURSES IN BIOLOGY**1. Introductory Zoology 4 hours**

The fundamental principles of animal biology and a study of appropriate type forms illustrating the various phyla, with stress on laboratory exercises. Two lectures and two two-hour laboratory periods each week. Students majoring in one of the natural sciences may substitute this course for the divisional course in biological science.

2. Introductory Botany 4 hours

The fundamentals of plant biology including the identification of some of the more common plants and trees, a study of the structure and physiology of plants, and an introduction to the Mendelian laws of heredity. Two lectures and two two-hour laboratory periods each week.

3. Introductory Biology 4 hours

A brief course in general biology intended primarily for physical education students. The course includes a study of some typical plant and animal forms together with an introduction to the study of human biology. Not open to students showing credit in Biology 1. This course may be substituted for the divisional course, Principles of Biological Science, by students planning to major in physical education. Three lectures and one two-hour laboratory period each week.

12. Human Anatomy and Physiology 4 hours

An introductory course intended primarily for physical education majors. The course is recommended for students preparing to teach biology or health in high school. Three lectures and one two-hour laboratory period each week.

Prerequisite: Biology 3 or 1.

15. Personal and Community Health 3 hours

Personal health and the prevention of disease in the family and community; relation of sanitation and disease control to community health; communicable diseases. Three lecture periods each week.

31-32. Comparative Vertebrate Anatomy 6 hours

The study of type forms of different classes of vertebrates, from the viewpoint of the morphological relationships of the various

organs and systems. One lecture and two two-hour laboratory periods each week.

Prerequisite: Biology 1.

33. History of Medicine 2 hours

A survey of the development of medical science from the earliest times to the present day. Particular interest is centered on a review of the developments and an examination of the trends in American medicine. Two lecture periods each week.

Prerequisite: Biology 1.

34. Microtechnique 2 hours

Principles and practice in the preparation of animal and plant tissues and small organisms for microscopic study. Two two-hour laboratory periods each week.

Prerequisites: Biology 1 or 2, and Chemistry 2.

38. Genetics 3 hours

A study of the general principles of heredity and the operation of hereditary factors in the origin and development of species and of individual traits. Special emphasis is placed on human heredity and the analysis of family pedigrees. (Offered in 1953-54.)

Prerequisite: Biology 1 or 2.

39. Embryology 4 hours

A study of comparative vertebrate embryology, including fertilization, segmentation, formation of germ layers, tissues and organs, with special emphasis on the development of the frog, chick, and pig. Two lectures and two two-hour laboratory periods each week.

Prerequisite: Biology 32.

40. Animal Histology 4 hours

A microscopic study of normal vertebrate tissues and organs, with special reference to human tissues. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Biology 32 and Chemistry 2.

41. Invertebrate Zoology 4 hours

A study of the characteristics and relationships of representative species of invertebrates with reference to classification. This course includes some field work in ecological study, collection of specimens, their identification and preparation for laboratory and museum display. Primarily intended as a background for teaching biology. Three lectures and one three-hour laboratory period each week.

Prerequisite: Biology 1.

43-44. Bacteriology 8 hours

A study of bacterial structure, life activities, and classification, together with the principles of immunology. Laboratory methods of culture, isolation, and identification of various organisms, particularly enteric forms; water, milk, soil, and food bacteriology. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Biology 2 and Chemistry 2.

45. Physiology 4 hours

A study of vertebrate physiology with special reference to human functions. Designed primarily for pre-medical students and others whose field of concentration is biology. Selected laboratory experiments. Two lectures and two two-hour laboratory periods each week. (Offered in 1954-55.)

Prerequisites: Biology 1 and Chemistry 2.

51. Honors Seminar in Biology 3 hours**DEPARTMENT OF CHEMISTRY**

The courses in the Department of Chemistry are designed to help the student: 1. To understand and appreciate, by means of basic courses, the principles of chemistry. 2. By means of carefully supervised laboratory work and by an introduction to the literature of the field: a) to observe carefully and accurately natural phenomena. b) to realize and appreciate the problem of the application of the theoretical principles to actual experimental work. 3. By a study of the literature and by means of a minor research problem to initiate the development of the skills and attitudes requisite for research in the field of chemistry. 4. To meet the basic requirements in chemistry for entrance into graduate school, medical school, or industrial chemistry.

The minimum requirement for a major sequence in chemistry is twenty-four semester hours on the upper level, including courses in organic, quantitative analysis, and physical chemistry. For a minor sequence twelve semester hours in upper-level courses, including Chemistry 33, are required.

The following are prerequisite for upper-level courses, or requisite for graduation: Chemistry 1, 2, 38, and either 49 or 51. It is further necessary for a student majoring in chemistry to show credit in Mathematics 1, 3, 4, 21, 22, and in Physics 21-22. Two years of college German, or the equivalent, must be completed.

Unless otherwise noted, laboratory periods are three-hour periods. Laboratory fees: Chemistry 1, 2, 3, 4, 41, 45, and 46, each \$7.50. Chemistry 31, 32, 33, 34, 42, and 51, each \$10.00. Chemistry 49 and 50, each \$5.00,

**Suggested Program of Courses for the A.B. or B.S. Degree
with Chemistry as Major and Mathematics as Minor Sequence ****

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Speech 1-2	1 1	Fundamentals of Speech
Mathematics 1, 3, 4	6 3	Algebra; Trigonometry; Analytics
Chemistry 1, 2	4 4	General Inorganic; Qualitative
Physical Education 1-2	- -	Physical Education (Required Course)
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SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
German 1-2	3 3	Introductory German
Chemistry 31-32	4 4	Organic Chemistry
Physics 21-22	4 4	College Physics
Mathematics 21, 22	3 3	Differential and Integral Calculus
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JUNIOR YEAR

Philosophy 21 or 23	3	General Psychology; Logic
Philosophy 34	3	Professional Ethics
Social Science 1-2	3 3	Development of Western Institutions
German 21, 26	3 3	Intermediate; Scientific German
Mathematics 33 or 41	3	College Geometry; Theory of Equations
Chemistry 33, 34	4 4	Quantitative; Adv. Quantitative Analysis
Chemistry 37, 38	1 1	Literature of Chemistry; Pro-seminar
Chemistry 48	2	Advanced Inorganic Chemistry
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SENIOR YEAR

Religion, Upper-level	3	Christian Marriage; Church History; Sacred Scripture
Humanities 21-22 or 23-24	3 3	English Literature; World Literature
Mathematics 31	3	Calculus II
Mathematics 33 or 41	3	College Geometry; Theory of Equations
Social Science, Upper-level	3	History; Sociology
Chemistry 45-46	4 4	Physical Chemistry
Chemistry 49-50	1 1	Research in Chemistry
Chemistry 51	3	Honors Seminar
Elective, Upper-level	3	Mathematics or Social Science
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** Students majoring in Chemistry should make no changes in the sequence of courses without the written approval of the Dean of the College.

COURSES IN CHEMISTRY**1. General Chemistry 4 hours**

An introduction to the field of chemistry, the course stresses the atomic theory and general chemical laws and theories governing gases, liquids, solids, and solutions. The work in the laboratory consists of experiments involving inorganic reactions. Three lectures and one laboratory period each week.

2. Inorganic Chemistry and Qualitative Analysis 4 hours

A continuation of Chemistry 1, with emphasis on inorganic substances. The elements are studied individually and as members of related groups with the view of appreciating the relationships among all substances in nature. The laboratory work consists of qualitative analysis using a semi-micro technique for representative ions in the inorganic field. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 1.

3-4. General Chemistry and Qualitative Analysis 10 hours

A more complete course in the fundamental principles of the science for students preparing to enter Chemical Engineering or Metallurgy. The course stresses the theory involved in chemical activity. The second semester is devoted to the qualitative analysis of representative cations and anions. Four lectures and one laboratory period each week.

31-32. Organic Chemistry 8 hours

A study of the structure, reactions, and properties of the aliphatic and aromatic carbon compounds. The applications of organic chemistry in industry and medicine are emphasized. In the laboratory the important methods and techniques are stressed. The material presented in the lectures is illustrated by the preparation and identification of typical compounds. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 1 and 2.

33. Quantitative Analysis 4 hours

A study of the theoretical principles upon which analytical methods are based and an explanation and application of the calculations involved. In the laboratory the standard volumetric and gravimetric procedures are used. Two lectures and two laboratory periods each week.

Prerequisites: Chemistry 1 and 2.

34. Advanced Quantitative Analysis 4 hours

An advanced study of quantitative analysis. The laboratory work includes calibration of weights and volumetric apparatus. Some use is made of instrument analysis by the use of electrolytic, colorimetric, and electrometric titration procedures. Two lectures and two laboratory periods each week.

Prerequisite: Chemistry 33.

37. Literature of Chemistry 1 hour

The purpose of the course is to acquaint students majoring in chemistry with library research. Students are also introduced to the norms and procedures for writing a research report.

38. Pro-seminar in Chemistry 1 hour

The purpose of the course is to acquaint the student with the literature of the field. Weekly library reports based on the study of periodicals and reference works are required.

Prerequisite: Chemistry 37.

39. Advanced Organic Chemistry 2 hours

A continuation of Chemistry 32, the course deals with reaction mechanisms. Class discussions, requiring extensive use of the library facilities, on advanced organic reactions and laboratory procedures are held. Two lectures each week. (Offered in 1954-55.)

Prerequisite: Chemistry 31-32.

41. Elementary Physical Chemistry 4 hours

A course intended primarily for students who lack the mathematical preparation for the more extensive course, Chemistry 45-46. The principles of physical chemistry are treated from a descriptive viewpoint with emphasis on solutions, colloids, and physical structure. This course may not be counted toward a major in chemistry. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 1, 2, and Physics 21-22.

42. Biochemistry 4 hours

A study of the composition of organisms, of the food materials required by them, and the chemical changes attending the transformation of these food materials into the substances composing these organisms. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 31-32.

45-46. Physical Chemistry 8 hours

A fundamental course based on the principles of physical chemistry. The role of energy in chemical reactions is treated both

from the descriptive and the analytical viewpoints. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 1, 2, 33, Mathematics 21, 22, and Physics 21-22.

48. Advanced Inorganic Chemistry 2 hours

An introduction to the quantum theory and an application of quantum restrictions to chemical phenomena. This is followed by a treatment on photo energy and a discussion of the periodic classification of the elements and the arrangement of the periodic chart.

Prerequisites: Chemistry 1 and 2.

49-50. Research in Chemistry 2 hours

Early in the first semester, topics for research problems are chosen. Throughout the year, library research is pursued. Progress reports are made and discussed.

Prerequisites: A reading knowledge of German, Chemistry 37 and 38.

51. Honors Seminar in Chemistry 3 hours

An alternate course for Chemistry 49-50, open to students who have made a B average in the chemistry courses of the junior year.

Prerequisites: A reading knowledge of German, Chemistry 37 and 38.

DEPARTMENT OF GEOLOGY

In addition to their contribution to general education the courses in geology are designed to prepare the student for entrance into graduate school or specific occupational fields. In this latter respect the courses are intended to prepare the student for a position with the United States Civil Service Commission, to enable him to work with the United States Geological Survey and State Geological Surveys, or to train him for employment in the petroleum or mining industries, or with the National Park Service, either in the field or in the home laboratory.

The minimum requirement for a major is twenty-four semester hours in upper-level courses. For a minor sequence, twelve semester hours in upper-level courses are required.

Students majoring in Geology must show credit in or give evidence of sufficient knowledge of Physics 21-22, Chemistry 1, 2, and Mathematics 1, 3.

Laboratory fees: Geology 1 and 2, each \$5.00. Geology 33, 34, 36, 41, 42, 43, and 51, each \$7.50.

**Suggested Program of Courses for the A.B. or B.S. Degree
With Geology as Major Sequence**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1	3	Moral Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Chemistry 1, 2	4 4	General Inorganic; Qualitative
Geology 1, 2	4 4	Physical; Historical
Social Science 1, 2	3 3	Development of Western Institutions
Physical Education 1-2	- -	Physical Education (Required Course)
	17	17

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 2	3	Introduction to Thomistic Philosophy
Philosophy 21 or 23	3	General Psychology; Logic
Speech 1-2	1 1	Fundamentals of Speech
Humanities 21-22, 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Geology 33, 34	4 3	Mineralogy; Petrology
Mathematics 1, 3	3 3	Algebra; Trigonometry
	17	16

JUNIOR YEAR

Religion 30	3	Christian Marriage
Social Science, Elective	3	Geography; History
Geology 36	4	Surveying and Mapping
Geology 41	3	Paleontology
Geology 44	3	Stratigraphy
Physics 21-22	4 4	College Physics
Minor Sequence *	4 4	
	17	15

SENIOR YEAR

Philosophy 34	3	Professional Ethics
Geology 42	3	Subsurface Geology
Geology 43	3	Structural Geology
Geology 45	3	Economic Geology
Geology 46	3	Advanced Principles
Geology 47-48	1 1	Pro-Seminar
Geology 51	3	Honors Seminar
Minor Sequence	4	
Electives	3 6	
	17	16

* In planning the courses for the minor sequence, students must bear in mind the prerequisites for upper level courses. This may require certain adjustments in the sophomore year.

COURSES IN GEOLOGY**1. Physical Geology 4 hours**

This course introduces the student to the field of geology through a study of the following topics: rock weathering, mass wasting, sculpture of lands by streams, subsurface water, lakes and swamps, glaciation, erosion and deposition by the wind, marine erosion, volcanoes, deformation of the earth's crust, earthquakes, metamorphism, land forms, the common rocks and minerals, topographic maps. Three lectures and one laboratory period each week.

2. Historical Geology 4 hours

A further introduction to the field of geology through a study of the following topics: earth history recorded in the rocks, the constant change of living things, the scale of time, the Archeozoic, Proterozoic, Paleozoic, Mesozoic, and Cenozoic world, fossils, geologic folios, land forms. Three lectures and one laboratory period each week.

24. Principles of Geology 4 hours

An introduction to the field of geological science. This course deals with the study of the physiography, structure, and history of the earth as revealed in rock formations and natural deposits. Not open to students who have credit in Geology 1.

25. Physical Geography and Conservation 3 hours

This course includes a study of the earth, its surface features, land forms and water bodies, erosion, varieties of climate, and distribution of natural resources. Special emphasis is given to the principles of conservation of the world's natural resources.

33. Mineralogy 4 hours

A course dealing with physical, chemical, descriptive, economic, and determinative mineralogy, and the fundamentals of crystallography. Two lectures and two laboratory periods each week.

34. Petrology 3 hours

A study of the formation, occurrence, and characteristics of the common rocks together with their field identification. Two lectures and one laboratory period each week.

Prerequisite: Geology 33.

36. Surveying and Mapping 4 hours

The fundamentals of drafting as applied to geological maps and diagrams; the use of instruments, especially the alidade transit and brunton compass; the construction of surveys and maps of assigned areas. Two lectures and two laboratory periods each week.

38. Regional Field Study I 2 hours

A study in the field of the following areas: Driftless Area of Wisconsin; South Dakota Bad Lands; Black Hills; Yellowstone Na-

tional Park; Great Salt Lake and Desert; Rocky Mountains of Northern Colorado. The field trip is arranged for a period of two weeks in the month of June. (Offered in 1954-55.)

Prerequisites: Geology 1, 2.

40. Regional Field Study II 2 hours

A study in the field of the following areas: Ozark Mountains; Arbuckle Mountains; Oklahoma-Texas Oil Fields; Carlsbad Caverns; Arid Regions of New Mexico and Arizona; Grand Canyon; Rocky Mountains of Southern Colorado. The field trip is arranged for a period of two weeks in the month of June. (Offered in 1953-54.)

Prerequisites: Geology 1, 2.

41. Paleontology 3 hours

Invertebrate paleontology. Morphology, classification, geological significance of fossils; special study of index fossils of North America. Two lectures and one laboratory period each week.

42. Subsurface Geology 3 hours

A course which aims to furnish practical information on the subsurface geology of the occurrence and production of oil and other mineral bodies. Two lectures and one laboratory period each week.

43. Structural Geology 3 hours

A study of the framework of the earth's crust; the deformation of the earth, its causes and effects. Two lectures and one laboratory periods each week.

Prerequisites: Geology 1, 2, and Mathematics 1, 3.

44. Stratigraphy 3 hours

Methods of description, classification and interpretation of faunal and facies changes; correlation of stratigraphic units, with emphasis on those of Indiana and Illinois. Laboratory and field exercises in stratigraphic problems. Two lectures and one laboratory period each week.

Prerequisites: Geology 1, 2, 33, and 41.

45. Economic Geology 3 hours

A study of the general principles for the formation of mineral deposits, together with an application of these principles to the study of specific economic mineral deposits.

Prerequisites: Geology 1, 2, and 34.

46. Advanced Principles of Geology 3 hours

A genetic treatment of basic postulates employed in geology. An integration of concepts, techniques, and methods.

47-48. Pro-seminar in Geology 2 hours

Discussion of special problems.

51. Honors Seminar in Geology 3 hours

DEPARTMENT OF MATHEMATICS

The departmental courses in mathematics are designed to help the student attain: 1. An understanding and appreciation of the fundamental methods of deductive reasoning. 2. Certification for teaching mathematics in secondary schools. 3. Adequate preparation for work in graduate or professional schools. 4. Facility in using the tools of mathematics, particularly in the natural sciences and in business.

The minimum requirement for a major in mathematics is twenty-two semester hours in upper-level courses including Mathematics 31, 33, 34, and 41. For a minor sequence nine semester hours in upper-level courses are required including Mathematics 33 and 41. The following lower-level courses are prerequisite for all upper-level courses: Mathematics 1, 3, 4, 21, and 22.

COURSES IN MATHEMATICS

01. Remedial Algebra	No Credit
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A course designed for those students who do not qualify for Mathematics 1 in a proficiency test administered during the September freshman orientation program. This course covers a review of fractions, exponents, and linear equations.

1. College Algebra	3 hours
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This course is offered to acquaint the student with algebraic theory and to develop such skill and technique as are required for further work in mathematics. The course covers quadratics, real roots, graphs, determinants, permutations, combinations, and partial fractions.

3. Trigonometry	3 hours
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A course designed to prepare the student for advanced work in mathematics, including a treatise of trigonometric functions, derivations of standard formulas, trigonometric identities, solution of triangles, and the numerical use of logarithms.

4. Plane Analytical Geometry	3 hours
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A course coordinating geometry, algebra, and trigonometry, thus preparing the student for the calculus. The course covers the study of coordinates, including the plotting of equations of various forms, the study of the straight line, the conic sections, and the general equation of the second degree.

Prerequisites: Mathematics 1 and 3.

Suggested Program of Courses for the A.B. or B.S. Degree
with Mathematics as Major and Physics as Minor Sequence **

FRESHMAN YEAR

	Semester Hours	
Religion 2 _____	3	Spiritual Life and Catholic Worship
Philosophy 1, 2 _____	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6 _____	3 3	Rhetoric and Composition
Speech 1-2 _____	1 1	Fundamentals of Speech
Mathematics 1, 3, 4 _____	6 3	Algebra; Trigonometry; Analytics
Social Science 1-2 _____	3 3	Development of Western Institutions
Physical Education 1-2 _____	- -	Physical Education (Required Course)
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SOPHOMORE YEAR

Religion 21, 22 _____	3 3	Apologetics; Catholic Dogma
Philosophy 21 _____	3	General Psychology
Mathematics 21, 22 _____	3 3	Differential and Integral Calculus
Physics 23-24 _____	5 5	Engineering Physics
Humanities 21-22, 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Social Science, Elective _____	3	Economics; Geography; History; Politics
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JUNIOR YEAR

Philosophy, Upper-Level _____	3 3	Philosophy of Nature; Ethics
Mathematics 31, 32 or 31, 34 _____	3 3	Calculus II; Advanced Calculus; Differential Equations
Mathematics 33 or 35 _____	3	College Geometry; Solid Analytics
Mathematics 42 or 43 _____	2	Non-Euclidian Geometry; History of Mathematics
Physics 41-42 or 45-46 _____	3 3	Modern Physics; Electronics
Electives _____	3 6	
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SENIOR YEAR

Religion, Upper-Level _____	3	Christian Marriage; Church History; Sacred Scripture
Mathematics 41, 32 or 41, 34 _____	3 3	Theory of Equations; Advanced Cal- culus; Differential Equations
Mathematics 33 or 35 _____	3	College Geometry; Solid Analytics
Mathematics 42 or 43 _____	2	Non-Euclidian Geometry; History of Mathematics
Physics 41-42 or 45, 46 _____	3 3	Modern Physics; Electronics
Mathematics 51 _____	3	Honors Seminar
Electives _____	3 3	
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** Students who plan to complete the requirements for the mathematics-physics group major are advised to substitute three hours in physics for Advanced Calculus, (Mathematics 32).

6. Mathematics of Finance 3 hours

The objective of this course is the development of skills needed in obtaining answers to practical problems arising in business with emphasis on finance and life insurance. The subject matter includes interest, depreciation, endowments, and premiums for life insurance.

Prerequisites: Mathematics 1, or a grade of B in Mathematics 01, or proficiency determined by examination.

9. Mechanical Drawing 3 hours

This course deals with the fundamentals of drafting procedure including the care and use of drafting instruments, drawing-board geometry, orthographic projection, technical sketching and perspective drawing. Three two-hour periods each week.

10. Descriptive Geometry 3 hours

This course deals with the orthographic representation of points, lines, and planes and their fundamental geometric relations. Geometric problems are solved on the basis of orthographic projection. Three two-hour periods each week.

Prerequisite: Mathematics 9.

21. Differential Calculus 3 hours

It is the purpose of this course to develop the principles and methods of the calculus hand in hand with their application to the solution of practical problems in natural science and business. It includes constants, variables, functions, derivatives and their applications, differentials, curvature, the theorem of mean value and its applications.

Prerequisites: Mathematics 1, 3, and 4.

22. Integral Calculus 3 hours

This course is a continuation of Mathematics 21 and embraces the following subjects: integration, constant of integration, definite integral, formal integration, reduction formulas, applications to centroids, fluid pressure, and moments of area.

Prerequisite: Mathematics 21.

31. Calculus II 3 hours

An extension of Mathematics 21 and 22 leading to a consideration of the following: series, expansion of functions, ordinary differential equations, hyperbolic function, partial differentiation and applications, and multiple integrals.

Prerequisites: Mathematics 21 and 22.

32. Advanced Calculus 3 hours

This course is intended for those students who to some extent have mastered the manipulative skills of the differential and integral calculus. It introduces the student to theoretical questions which may lead him to further study. It includes more rigorous treatment of series, partial differentiation, implicit function, differential equations, and definite integrals; also an introduction to beta and gamma functions. (Offered in 1953-54.)

Prerequisites: Mathematics 21, 22, and 31.

33. College Geometry 3 hours

The purpose of this course is to introduce the student to a wide and extensive body of synthetic geometry. It concerns the geometry of the triangle and the circle and requires only the known Euclidian concepts. College geometry is recommended to prospective teachers in secondary schools. (Offered in 1954-55.)

34. Differential Equations 3 hours

This course presents differential equations from a practical viewpoint, combining the formal exercises of integrating the various standard types of differential equations with the setting-up of equations from problems of natural science. (Offered in 1954-55.)

Prerequisites: Mathematics 21, 22, and preferably 31.

35. Solid Analytical Geometry 3 hours

This course is devoted to the coordinate geometry of curves and surfaces in three-dimensional space, particularly of the plane, the straight line, and the quadratic surface. It also serves to introduce methods and principles which have an important part in the various fields of advanced mathematics. (Offered in 1953-54.)

Prerequisite: Mathematics 4.

37. Theory of Numbers 3 hours

This course treats the elementary properties of integers, the definition and properties of divisibility, Euclid's Algorithm, Diophantine equations, prime numbers, aliquot parts, congruences, and quadratic residues.

Prerequisite: Mathematics 1.

41. Theory of Equations 3 hours

In this course students are guided slowly through the proofs of the important general theorems in the elementary theory of algebraic equations. The methods of deductive reasoning are used abundantly, imparting to the student a realization of the need of clarity, exactness, and logical discourse. Complex numbers, roots, graphs, numerical equations, constructions, determinants, resultants, and discriminants are treated.

Prerequisites: Mathematics 21 and 22.

42. Non-Euclidian Geometry 2 hours

This course offers an introduction to the synthetic and analytic treatment of non-Euclidian geometries. It is recommended for prospective teachers. (Offered in 1953-54.)

Prerequisites: Mathematics 21 and 22.

43. History of Mathematics 2 hours

History of the development of the various fields of mathematics from the earliest times to the present day. Open only to students majoring in mathematics. (Offered in 1954-55.)

51. Honors Seminar in Mathematics 3 hours**DEPARTMENT OF PHYSICS**

The courses in the Department of Physics are designed: 1. To impart an understanding of basic principles and through classroom discussion and supervised laboratory work to inculcate the habit of precise observation of phenomena. 2. To prepare the student for the teaching of physics in secondary schools.

For a minor sequence in physics twelve semester hours in upper-level courses are required, including Physics 31 and 41 or 42. Physics 21-22 is prerequisite for upper-level courses.

Laboratory fees: Physics 21, 22, 23, and 24, each \$5.00. Physics 31, 45, and 46, each \$7.50.

COURSES IN PHYSICS**21-22. College Physics** 8 hours

A course introducing the student to the fundamental principles of mechanics, heat, sound, light, and electricity. Three lectures and one three-hour laboratory period each week.

Prerequisites: Mathematics 1 and 3.

23-24. Engineering Physics 10 hours

Lectures, recitations, problems and laboratory work dealing with the fundamental laws of mechanics, heat measurements, sound

waves, electric and magnetic phenomena, geometric and physical optics and a brief survey of modern physics. Required course for pre-engineering students. Four lectures and one three-hour laboratory period each week through two semesters.

Prerequisites: Mathematics 1 and 3.

31. Electric and Magnetic Circuits 3 hours

Measurements of resistance, electromotive force, potentials, current, self and mutual induction, magnetic fields, Ohm's law, Kirchhoff's law, networks, bridges, ballistic galvanometer. Two lectures and one three-hour laboratory period each week.

Prerequisites: Physics 23-24 and Mathematics 21, 22.

41-42. Modern Physics 6 hours

A two semester course in general physics with emphasis on recent developments, wave motion, electromagnetic radiation, kinetic theory of gases, specific heats and heat of radiation, photoelectric effect, x-rays, Bohr theory of spectra, quantum mechanics, nuclear physics, cosmic rays, and relativity. Three lectures each week.

Prerequisites: Physics 21-22 and Mathematics 21, 22.

44. Statics 3 hours

This course treats the fundamental principles of statics: forces, moments of force, couples, systems of force, addition and subtraction of forces, equilibrium of systems, stresses and strains, moments of inertia. Three lectures each week.

Prerequisites: Physics 23-24 and Mathematics 21, 22.

45. Electronics I 3 hours

A study of basic principles of the vacuum tube: electron theory, thermionic emission, diode, triode, multiple electric tube and its static and dynamic characteristics, and the function of the vacuum tube. Two lectures and one three-hour laboratory period each week.

Prerequisite: Physics 21-22.

46. Electronics II 3 hours

A study of electronic circuits: voltage and power amplifiers, oscillators, modulators, transmitters and receivers, electric measuring instruments, cathode-ray tube, and photoelectric devices. Two lectures and one three-hour laboratory period each week.

Prerequisite: Physics 45.

FIVE-YEAR ENGINEERING PROGRAMS

The following programs enable students to combine a liberal arts course at Saint Joseph's College with education in Engineering at a university or technical school. Under this plan the student attends Saint Joseph's for three years and then transfers to the school of his choice for the completion of advanced courses in a particular field of engineering. Upon the successful completion of the requirements for graduation from Saint Joseph's, the candidate will receive the Bachelor of Arts degree, and upon the completion of the five-year course, the Bachelor of Science in Engineering degree from the school to which he has transferred.

Formal agreements in acceptance of the three-two arrangement have been completed with the University of Notre Dame, Purdue University, and Rose Polytechnic Institute.

Approved Sequence of Courses for the First Three Years of the Chemical Engineering Program

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Speech 1-2	1 1	Fundamentals of Speech
Mathematics 1, 3, 4	6 3	Algebra; Trigonometry; Analytics
Chemistry 3-4	5 5	Gen. Chemistry and Qual. Analysis
Physical Education 1-2	- -	Physical Education (Required Course)
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SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 21	3	General Psychology
Social Science 1-2	3 3	Development of Western Institutions
Chemistry 33	4	Quantitative Analysis
Mathematics 21, 22	3 3	Differential and Integral Calculus
Physics 23-24	5 5	Engineering Physics
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JUNIOR YEAR

Religion 30 or 35 or 41	3	Marriage; Liturgy; Sacred Scripture
Philosophy 32 or 34	3	Natural Theology; Ethics
English 27	3	Business and Technical Writing
Humanities 21-22; 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Mathematics 9, 10	3 3	Mechanical Drawing; Des. Geometry
Chemistry 31-32	4 4	Organic Chemistry
Chemistry 37, 38	1 1	Literature of Chemistry; Pro-seminar
Physics 44	3	Statics
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**Approved Sequence of Courses for the First Three Years of the
Electrical Engineering Program**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Speech 1-2	1 1	Fundamentals of Speech
Mathematics 1, 3, 4	6 3	Algebra; Trigonometry; Analytics
Chemistry 1, 2	4 4	General Inorganic; Qualitative
Physical Education 1-2	- -	Physical Education (Required Course)
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SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 21	3	General Psychology
English 27	3	Business and Technical Writing
Speech 21	1	Advanced Speech
Social Science 1-2	3 3	Development of Western Institutions
Mathematics 21, 22	3 3	Differential and Integral Calculus
Physics 23-24	5 5	Engineering Physics
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JUNIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Church History, Sacred Scripture
Philosophy 32 or 34	3	Natural Theology; Professional Ethics
Humanities 21-22; 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Mathematics 9, 10	3 3	Mechanical Drawing; Descriptive Geometry
Mathematics 31, 33	6	Calculus II; College Geometry
Mathematics 41, 34	3 3	Theory of Equations; Differential Equations
Physics 31, 44	3 3	Electric Circuits; Statics
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**Approved Sequence of Courses for the First Three Years of the
Mechanical and Civil Engineering Program**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Speech 1-2	1 1	Fundamentals of Speech
Mathematics 1, 3, 4	6 3	Algebra; Trigonometry; Analytics
Chemistry 1, 2	4 4	General Chemistry and Qualitative Analysis
Physical Education 1-2	- -	Physical Education (Required Course)
	<hr/> <hr/> <hr/>	
	17 17	

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Humanities 21-22; 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Speech 21	1	Advanced Speech
Social Science 1-2	3 3	Development of Western Institutions
Mathematics 21, 22	3 3	Differential and Integral Calculus
Physics 23-24	5 5	Engineering Physics
	<hr/> <hr/>	
	18 17	

JUNIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Church History; Sacred Scripture
Philosophy 21	3	General Psychology
Philosophy 32 or 34	3	Natural Theology; Professional Ethics
English 27	3	Business and Technical Writing
Mathematics 9, 10	3 3	Mechanical Drawing; Descriptive Geometry
Mathematics 31, 33	6	Calculus II; College Geometry
Mathematics 41, 34	3 3	Theory of Equations; Differential Equations
Physics 44	3	Statics
Physics, Elective	3	Electric Circuits; Electronics; Modern Physics
	<hr/> <hr/>	
	18 18	

Approved Sequence of Courses for the First Three Years of the Metallurgy Program

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Speech 1-2	1 1	Fundamentals of Speech
Mathematics 1, 3, 4	6 3	Algebra; Trigonometry; Analytics
Chemistry 3-4	5 5	General Chemistry and Qualitative Analysis
Physical Education 1-2	- -	Physical Education (Required Course)
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SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
German 1-2	3 3	Introductory German
Social Science 1-2	3 3	Development of Western Institutions
Mathematics 21, 22	3 3	Differential and Integral Calculus
Physics 23-24	5 5	Engineering Physics
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JUNIOR YEAR

Religion 30 or 42	3	Christian Marriage; New Testament
Philosophy 21	3	General Psychology
Philosophy 32 or 34	3	Natural Theology; Professional Ethics
English 27	3	Business and Technical Writing
German 21	3	Intermediate German
Humanities 21-22; 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Chemistry 33, 48	4 2	Quantitative Analysis; Advanced Inorganic Chemistry
Chemistry 37, 38	1 1	Literature of Chemistry; Pro-seminar
Mathematics 9	3	Mechanical Drawing
Physics 44	3	Statics
	<hr style="width: 20px; margin-left: 0; border: 0.5px solid black;"/> 17	18

**Approved Sequence of Courses for the First Three Years
of the Cooperative Program in General Agriculture**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1	3	Moral Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Biology 1, 2	4 4	Introductory Zoology; Botany
Chemistry 1, 2	4 4	General Inorganic; Qualitative
Mathematics 1, 3	3 3	Algebra; Trigonometry
Physical Education 1-2	- -	Physical Education (Required Course)
	17 17	

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 2	3	Introduction to Thomistic Philosophy
Humanities 21 or 23 or 25	3	English Literature; World Literature; Music Art Forms
Speech 1-2	1 1	Fundamentals of Speech
Mathematics 4	3	Analytical Geometry
Physics 21-22	4 4	College Physics
Chemistry 31-32	4 4	Organic Chemistry
Economics 1	3	Principles of Economics
	18 18	

JUNIOR YEAR

Religion 30	3	Christian Marriage
Philosophy 21	3	General Psychology
Philosophy 32 or 34	3	Natural Theology; Professional Ethics
English 27	3	Business and Technical Writing
Humanities 20 or 22 or 24	3	English Literature; World Literature; Literary Art Forms
Social Science 1-2	3 3	Development of Western Institutions
Geology 1	4	Physical Geology
Biology 43-44	4 4	Bacteriology
	17 16	

DIVISION OF SOCIAL SCIENCES

The Division of Social Sciences seeks to enlarge the student's social understanding and to deepen his sense of responsibility with the view that he may lead a more useful life as a member of society. He is to become acquainted with the social heritage which the study of the past provides for the interpretation of the present. He is to become acquainted also with the social teaching of the Church and its application to current social issues.

The Division offers a major sequence in each of the following Departments: Accounting, Economics, Business Administration, and History. The major is twenty-four hours in upper-level courses as prescribed under the respective Department. In Politics and in Sociology there is offered a minor, consisting of twelve upper-level hours.

The Division offers also a group major leading to the A.B. degree in Social Science for students interested in the broad area of American civilization as a field of concentration. The group major is recommended to those preparing for admission to professional schools of law and social work, or for a career in public administration.

To complete the group major in social science, the student must present credit in the following courses:

Economics 1-2, 35-36, 37, 42, and either 38 or 46.

History 21, 22, 35, 36, 37, and 38.

Politics 21-22, 41, and 42.

Sociology 21, 22, and six hours selected from 31, 32, 34, and 41.

Students who complete the six lower-level hours in each of the four departments listed above need not include Social Science 1-2 as a part of the General Education requirement.

DIVISIONAL COURSES

1-2. The Development of Western Institutions 6 hours

An introduction to the social sciences which aims to provide an acquaintance with their basic concepts and interrelations by means of a selected historical study of both the origins and growth of the fundamental social institutions of Western civilization. The assumption of the course is that the democratic way of life in its Christian concept offers the most acceptable answer to the problems of contemporary society.

21. World Geography 3 hours

This course presents to the student the life and occupations of man as related to geographic conditions. The social, political, and industrial development of typical regions is studied in relation to such factors as land utilization, natural highways and boundaries, and distribution of natural resources.

DEPARTMENT OF ACCOUNTING

The Department of Accounting provides the fundamental courses which are to prepare the student for entrance into the profession of accountancy, including public and private accounting practice or government service. Upon completion of this program of study, the student becomes eligible for the bachelor's degree in accounting, and he may secure through experience and state examination the status of certified public accountant.

In the field of public accounting there are opportunities in municipal and private auditing, system design and installation, cost and tax work. Federal and state governments provide opportunities for accountants in a wide variety of activities, including income tax and other taxation, farm administration, banking, interstate commerce, and the like. In private accounting practice, thoroughly trained accountants have opportunities for advancement into executive, financial, and auditing or cost positions.

Accounting 1-2 and Economics 1-2 are prerequisite for all upper-level courses.

The requirement for a major sequence in accounting is twenty-four hours in upper-level courses, including Accounting 31, 32, 36, 43-44, and 45-46. The requirement for a minor sequence is twelve hours in upper-level courses.

All students registered for courses in accounting are required to take the series of standardized tests administered by the Department.

**Suggested Program of Courses for the B.S. Degree with
Accounting as Major Sequence**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Social Science 1-2	3 3	Development of Western Institutions
Natural Science 3-4	3 3	Principles of Physical Science
Business 1-2	2 2	Introduction to Business
Mathematics 1 or Elective	3	College Algebra; Elective
Physical Education 1-2	- -	Physical Education (Required Course)
	17	17

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 21 or 23	3	General Psychology; Logic
Humanities 21-22; 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Speech 1-2	1 1	Fundamentals of Speech
Accounting 1-2	3 3	Principles of Accounting
Economics 1-2	3 3	Principles of Economics
Natural Science 2	3	Principles of Biological Science
	16	16

JUNIOR YEAR

Economics 21-22	3 3	Business Law
Accounting 31, 32	5 3	Intermediate; Advanced Accounting
Accounting 33 or 41	2	Budgeting; Modern Systems
Accounting 36	3	Auditing
Accounting 40 or 42	2	Financial Statement Analysis; Governmental Accounting
Business 31 or 38	3	Industrial Management; Statistics
Business 32 or 36	3	Personnel Management; Corporation Finance
Minor Sequence	3 3	
	16	17

SENIOR YEAR

Religion 30 or 35 or 41	3	Christian Marriage; Liturgy; Sacred Scripture
Philosophy 32 or 34	3	Natural Theology; Ethics
Accounting 33 or 41	2	Budgeting; Modern Systems
Accounting 40 or 42	2	Financial Statement Analysis; Governmental Accounting
Accounting 43-44	3 3	Income Tax Accounting
Accounting 45-46	2 2	Cost Accounting
Accounting 48	1	C. P. A. Problems
Accounting 51	3	Honors Seminar
Minor Sequence	3 3	
	16	14

COURSES IN ACCOUNTING

1-2. Principles of Accounting

6 hours

A fundamental course in accounting, including the study of the laws of debits and credits; books of original entry; posting; trial balance forms; special journals; control accounts; opening and closing books; partner accounts; bank reconciliation; operating and financial and comparative statements; introduction to corporation accounting.

31. Intermediate Accounting

5 hours

An investigation into the form and content of financial statements, including a study of so-called single entry accounting and of accounting from incomplete data. Supplementary statements such as the statement of sources and application of funds and advanced partnership problems complete the course.

32. Advanced Accounting

3 hours

Special emphasis is placed on the preparation of consolidated balance sheets and profit and loss statements. Consideration is given also to special transactions resulting from consignments and branch accounting.

33. Budgeting

2 hours

A study of the procedure of budgeting and of budgetary direction and control applied to the different activities of business. The principles and methods of constructing budgets, estimating income and expenses, controlling expenses, measuring operating efficiency, and enforcing budgets are developed. (Offered in 1954-55.)

36. Auditing

3 hours

A course designed for those intending to enter the profession of public or private accounting. The responsibilities of auditors and the regulations applying to the profession are studied, with special reference to the rules of professional conduct for members of the American Institute of Accountants. Various types of audits and their purposes are analysed. Certificates are studied and prepared.

40. Financial Statement Analysis

2 hours

An analysis and interpretation of financial statements; the background of analysis; analysis of small business enterprises; the internal analysis of balance sheets and profit and loss statements; analysis of surplus. (Offered in 1954-55.)

41. Modern Accounting Systems 2 hours

A study of the application of accounting principles to various types of industry. Analysis of problems involved in designing and installing accounting systems. Attention is given to the preparation of accounting procedures, writing of accounting manuals, and preparation of reports. (Offered in 1953-54.)

42. Governmental Accounting 2 hours

This course treats of the problems of accounting for governmental units. A study is made of the special administrative problems and legal restrictions placed upon the public unit which necessitates accounting treatment different from that used in private business. (Offered in 1953-54.)

43-44. Income Tax Accounting 6 hours

This course is designed to familiarize the student with the federal income tax laws by means of lectures and practical problems. It is devoted to an intensive study of the income tax laws as they apply to individuals, partnerships, and corporations.

45-46. Cost Accounting 4 hours

This course presents an analysis of the importance of cost accounting in the modern business world. Cost terminology and technique are developed through the medium of problems dealing with job cost systems, process cost systems, and standard cost and uniform cost procedures.

48. C.P.A. Problems 1 hour**51. Honors Seminar in Accounting 3 hours****DEPARTMENT OF ECONOMICS**

The program in Economics has the following objectives: 1. To enable the student to gain a basic understanding of our economic system, to provide a field of concentration for those students who wish to pursue economics as their major study, and to offer those courses which are appropriately a part of the preparation for the study of accounting, government, journalism, and law. 2. To provide the requisite training for the teaching of economics in high schools, for the pursuit of graduate courses in economics, and for entrance into schools of commerce and business administration.

The requirement for a major sequence is twenty-four hours in upper-level courses, including Economics 35-36, 42, and 46. Related courses highly recommended include Accounting 1-2, Politics 21 and 22, and History 37 or 38. Students expecting to pursue graduate courses in economics are advised to show twelve hours of credit in foreign language, either French or German. The requirement for a minor sequence is twelve hours in upper-level courses.

Economics 1-2 is prerequisite for all upper-level courses.

**Suggested Program of Courses for the A.B. Degree with
Economics as Major Sequence**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Social Science 1-2	3 3	Development of Western Institutions
Natural Science 3-4	3 3	Principles of Physical Science
Mathematics 1 or Elective	3	College Algebra; Elective
Business 1-2	2 2	Introduction to Business
Physical Education 1-2	- -	Physical Education (Required Course)
	17	17

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 21 or 23	3	General Psychology; Logic
Humanities 21-22; 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Speech 1-2	1 1	Fundamentals of Speech
Accounting 1-2	3 3	Principles of Accounting
Economics 1-2	3 3	Principles of Economics
Natural Science 2	3	Principles of Biological Science
	16	16

JUNIOR YEAR

Philosophy 34	3	Professional Ethics
Economics 21-22	3 3	Business Law
Economics 34 or 38	3	Transportation; Statistics
Economics 35-36	2 2	Money and Banking
Economics 37	3	Government and Business
Economics 41 or Elective	3	Insurance
Minor Sequence	3 3	
Electives	3 3	Recommended: Foreign Language; American Government
	17	17

SENIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Liturgy; Church History; Sacred Scripture
Economics 38 or 48	3	Statistics; International Economics
Economics 41 or Elective	3	Insurance
Economics 42	3	Catholic Economic Thought
Economics 43-44	3 3	Labor Problems and Legislation
Economics 46	3	Business Cycles
Economics 51	3	Honors Seminar
Minor Sequence	3 3	
	15	15

COURSES IN ECONOMICS**1-2. Principles of Economics 6 hours**

A basic course introducing the student to the fundamental facts and principles underlying the production, consumption, exchange, and distribution of wealth, together with the application of these principles to selected current economic problems.

21-22. Business Law 6 hours

This course is designed to acquaint the student with those phases of law most frequently met in business. The selected areas of study include contracts, negotiable instruments, agency, sales, partnerships, corporations, property, and torts.

34. Transportation 3 hours

A course dealing with the economics of transportation: the extent of the market for goods in relation to transportation facilities and costs; the forms or methods of transportation; rate classifications; the regulation of transportation by the government. (Offered in 1953-54.)

35-36. Money and Banking 4 hours

A study of the functions of money and banking in our economic system; money as the medium of exchange, the standard of value and deferred payments; the various types of financial institutions, with emphasis on the commercial bank; the National Banking Act, the Federal Reserve Act, and the more recent legislation.

37. Government and Business 3 hours

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition.

38. Business Statistics 3 hours

An introduction to the elements of statistical analysis, including the collecting, classifying, interpreting, and presenting of numerical data, with emphasis on their use in business. (Offered in 1953-54.)

Prerequisite: Mathematics 1 or proficiency determined by examination.

41. Insurance and Risk 3 hours

A study of the chief types of risk and related insurance, with special attention to life, accident, and fire insurance. (Offered in 1954-55.)

42. Catholic Economic Thought 3 hours

A study of the present economic system in light of the social teaching of the Church. Discussion centers on private property, compe-

tition, freedom of enterprise, and the ethical factors which should enter in determining the functional incomes of rent, interest, profit and wages.

43-44. Labor Problems and Labor Legislation 6 hours

A study of the problem of labor-management relations from the viewpoint of the proposals offered by employers, unions, and the government. The social teaching of the Church. The second semester centers on labor legislation, federal and state.

46. Business Cycles 3 hours

In this course are discussed the different types of business fluctuations, the theories which have been advanced in explanation of them, and the measures which have been proposed for their control.

48. International Economics 3 hours

This course aims to acquaint the student with the principles of international trade and foreign exchange as also with the commercial and monetary policies which have arisen under recent international agreements. (Offered in 1954-55.)

51. Honors Seminar in Economics 3 hours

DEPARTMENT OF BUSINESS ADMINISTRATION

The courses in business administration have been designed to provide training for positions in business. Their aim is to combine specific preparation with a background in general education, which, with experience, should enable one to assume positions of higher responsibility more rapidly and competently. During the freshman and sophomore years, the course of studies is general in character, conforming closely to the pattern suggested for economics. During the junior and senior years, areas of concentration are provided in general business and marketing.

The requirement for a major sequence in general business is twenty-four hours in upper-level courses, including Business 37, 39, and 46. Related courses highly recommended include Economics 35-36 and History 37 or 38. The requirement for a minor sequence is twelve hours in upper-level courses.

The requirement for a major sequence in Marketing is also twenty-four hours in upper-level courses, including Business 39, 43, and 46. Related courses highly recommended include Business 34 and 44, Economics 42 and 48, and History 37 or 38. The requirement for a minor sequence is twelve hours in upper-level courses.

Economics 1-2 is prerequisite for all upper-level courses.

**Suggested Program of Courses for the B.S. Degree with
Business Administration as Major Sequence**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Social Science 1-2	3 3	Development of Western Institutions
Natural Science 3-4	3 3	Principles of Physical Science
Mathematics 1 or Elective	3	College Algebra; Elective
Business 1-2	2 2	Introduction to Business
Physical Education 1-2	- -	Physical Education (Required Course)
	17	17

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 21 or 23	3	General Psychology; Logic
Humanities 21-22; 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Speech 1-2	1 1	Fundamentals of Speech
Accounting 1-2	3 3	Principles of Accounting
Economics 1-2	3 3	Principles of Economics
Natural Science 2	3	Principles of Biological Science
	16	16

Major Sequence in General Business

JUNIOR YEAR

Philosophy 34	3	Professional Ethics
Economics 21-22	3 3	Business Law
Business 31 or 41	3	Industrial Management; Insurance
Business 32 or 42	3	Personnel Management; Advertising
Business 37, 39	6	Government and Business; Marketing
Business 33, 40	2 2	Budgeting; Financial Statements
Minor Sequence	3 3	
Electives	3	Recommended: U.S. History; Mathematics of Finance; Statistics
	17	17

SENIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Liturgy; Church History; Sacred Scripture
Business 31 or 41	3	Industrial Management; Insurance
Business 32 or 42	3	Personnel Management; Advertising
Business 43	3	Salesmanship
Business 44, 46	6	Credits and Collections; Business Cycles
Business 34 or 36	3	Transportation; Corporation Finance
Business 51	3	Honors Seminar
Minor Sequence	3 3	
Electives	2 2	Recommended: Money and Banking; Discussion and Debate
	17	17

Major Sequence in Marketing**JUNIOR YEAR**

Economics 21-22	3 3	Business Law
Philosophy 34	3	Professional Ethics
Business 31 or 45	3	Industrial Management; Retailing
Business 32 or 42	3	Personnel Management; Advertising
Business 33, 40	2 2	Budgeting; Financial Statements
Business 39 or 43	3	Marketing; Salesmanship
Business 34 or 36	3	Transportation; Corporation Finance
Minor Sequence	3 3	
Electives	3	Recommended: Catholic Economic Thought; International Economics
	— —	
	17 17	

SENIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Church History; Sacred Scripture
Business 31 or 45	3	Industrial Management; Retailing
Business 32 or 42	3	Personnel Management; Advertising
Business 37	3	Government and Business
Business 44, 46	6	Credits and Collections; Business Cycles
Business 39 or 43	3	Marketing; Salesmansip
Minor Sequence	3 3	
Electives	3	Recommended: U. S. History; Mathematics of Finance
	— —	
	15 15	

COURSES IN BUSINESS ADMINISTRATION**1-2. Introduction to Business** 4 hours

This course provides a general survey of the activities included in organizing and managing a business. Discussion centers on the types of business ownership and organization, location and layout, financial administration, personnel management, purchasing, production, marketing, and the relation of business to government.

6. Mathematics of Finance 3 hours

The objective of this course is the development of skills needed in obtaining answers to practical problems arising in business with emphasis on finance and life insurance. The subject matter includes interest, depreciation, endowments, and premiums for life insurance.

Prerequisites: Mathematics 1, or a grade of B in Mathematics 01, or proficiency determined by examination.

31. Industrial Management 3 hours

A detailed study of the organization and management of a manufacturing enterprise. Discussion centers on the physical factors of location, building, equipment, layout of plant; product design, purchasing and inventory control; routing, scheduling, and dispatching of work; personnel relations; sales; and finance. (Offered in 1953-54.)

32. Personnel Management 3 hours

This course deals with the objectives and procedures of personnel management, including the selecting, training and placing of employees as also their transfer and promotion; health and safety and other personnel services; wage and salary policies; industrial relations; records. (Offered in 1953-54.)

33. Budgeting 2 hours

A study of the procedure of budgeting and budgetary direction and control as applied to a business. The principles and methods of constructing budgets, estimating income and expenses, controlling expenses, measuring operating efficiency, and enforcing budgets are developed. (Offered in 1954-55.)

34. Transportation 3 hours

A course dealing with the economics of transportation: the extent of the market for goods in relation to transportation facilities and costs; the forms or methods of transportation; rate classifications; the regulation of transportation by the government. (Offered in 1953-54.)

36. Corporation Finance 3 hours

The financial problems involved in organizing and managing a business. Also a study of the financial procedures in receivership, bankruptcy, and reorganization. (Offered in 1953-54.)

37. Government and Business 3 hours

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition.

38. Business Statistics 3 hours

An introduction to the elements of statistical analysis, including the collecting, classifying, interpreting, and presenting of numerical data, with emphasis on their use in business. (Offered in 1953-54.)

Prerequisite: Mathematics 1 or proficiency determined by examination.

39. Marketing 3 hours

The principles and practices underlying the marketing process for different classes of goods. The marketing functions performed by the manufacturer, wholesaler, retailer, and functional middlemen. Recent trends in the efforts to develop greater marketing efficiency.

40. Financial Statement Analysis 3 hours

An analysis and interpretation of financial statements; the background of analysis; analysis of small business enterprises; the internal analysis of balance sheets and profit and loss statements; analysis of surplus. (Offered in 1954-55.)

41. Insurance and Risk 3 hours
A study of the chief types of risk and related insurance, with special attention to life, accident, and fire insurance. (Offered in 1954-55.)

42. Advertising 3 hours
In this course are developed the functions of advertising in the sales effort, the media of advertising and the testing of their effectiveness, the economics of advertising, and the regulation of advertising in the interests of the consumer. (Offered in 1954-55.)

43. Salesmanship 3 hours
The place of selling in the marketing process; the functions and qualifications of the salesman; buying motives; psychological principles involved in selling; handling the interview and closing the sale; the building of good will. (Offered in 1953-54.)

44. Credits and Collections 3 hours
Nature and functions of credit. Principles and practices in retail and mercantile credit administration. Sources and analysis of credit information. (Offered in 1954-55.)

45. Retailing 3 hours
A course in retail merchandising, including location, building, equipment, and store layout; the buying of merchandise and inventory control; setting prices; merchandising policies; personnel; store records. (Offered in 1954-55.)

46. Business Cycles 3 hours
In this course are discussed the different types of business fluctuations, the theories which have been advanced in explanation of them, and the measures which have been proposed for their control.

51. Honors Seminar in Business Administration 3 hours

DEPARTMENT OF HISTORY

The Department of History attempts to explain events by their human causes and to discern in them the influence of Providence and the play of man's free will, to develop the ability to judge critically, to lay the foundations for that general culture which requires acquaintance with the past, and to aid the student in acquiring the knowledge and background necessary for intelligent and useful citizenship.

Concentration in history prepares a student for teaching in secondary schools and for entrance into graduate or law school and provides a broad cultural basis in a four-year liberal arts program.

A major sequence requires Social Science 1-2, History 21, 22, and twenty-four semester hours on the upper level, including the following courses: History 34, 48, either 31 or 32, and any two selected from 35, 36, 37, 38. All majors are strongly urged to include in their program Politics 21 and 22, and either Philosophy 43, 44, or Politics 41-42. Students who plan to enter graduate school are advised to show at least twelve hours or the equivalent in a foreign language, preferably French or German.

A minor sequence in history requires twelve hours in upper-level courses.

COURSES IN HISTORY**21. European Civilization 3 hours**

A selective historical study of the cultural, economic, philosophical, and political development of Europe from early modern times through the Congress of Vienna. The major periods treated include the later Renaissance, Protestant Revolt, Age of Absolutism, Enlightenment, and the Era of the French Revolution and Napoleon.

22. European Civilization since 1815 3 hours

Particular emphasis is placed upon the romantic and liberal revolts, Industrial Revolution, nineteenth century nationalism and imperialism, the evolutionistic, materialistic and naturalistic movements, the causes of World War I, Europe between the wars, and the Second World War and after.

31. History of Ancient Greece 2 hours

The successive types of Greek government, the artistic and intellectual accomplishments of the Greeks, and their influence upon later civilizations are points of emphasis. (Offered in 1954-55.)

32. History of Ancient Rome 2 hours

The rise and expansion of Rome, her control of the Mediterranean world, the causes of her disintegration, and her contributions to European civilization particularly in government and law. (Offered in 1954-55.)

33. History of the Early and Medieval Church 3 hours

The history of the Catholic Church from the time of the Apostles to Pope Boniface VIII. (Offered in 1953-54.)

34. History of the Middle Ages 3 hours

The development of Europe from the disintegration of the Roman Empire in the West to the Renaissance. The Church, feudalism, the manorial system, and town life are among the major topics treated. Stress is placed upon the social and economic life in the period. (Offered in 1953-54.)

**Suggested Program of Courses for the A.B. Degree with
History as Major Sequence**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Speech 1-2	1 1	Fundamentals of Speech
Humanities 20 or 25	3	Literary Art; Music Art Forms
Natural Science 2	3	Principles of Biological Science
Social Science 1-2	3 3	Development of Western Institutions
Elective	3	Recommended: World Geography
Physical Education 1-2	- -	Physical Education (Required Course)
	16	16

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 21 or 23	3	General Psychology; Logic
Natural Science 3-4	3 3	Principles of Physical Science
History 21, 22	3 3	European Civilization since 1500
Humanities 21-22 or 23-24	3 3	English Literature; World Literature
Elective	3	Recommended: Sociology
	15	15

JUNIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Church History; Liturgy; Sacred Scripture
History 31, 32 or 45, 46	2 2	Ancient History; Constitutional History
History 35, 36 or 37, 38	3 3	United States History
History 33, 34 or 39, 40	3 3	Church History; Middle Ages; History of England
History 48	2	Pro-seminar in History
Minor Sequence	3 3	
Electives	3 3	Recommended: Foreign Language; American Government
	17	16

SENIOR YEAR

Philosophy 41, 42 or 43, 44	3 3	History of Philosophy
History 31, 32 or 45, 46	2 2	Ancient History; Constitutional History
History 35, 36 or 37, 38	3 3	United States History
History 33, 34 or 39, 40	3 3	Church History; Middle Ages; History of England
History 42 or 47	3	History of Russia; Latin America
History 51	3	Honors Seminar
Minor Sequence	3 3	
	17	17

35. United States History to 1812 3 hours

The origins and character of English colonization in America; the Revolution; the establishment of the new government; the "Second War of Independence." (Offered in 1953-54.)

36. United States History, 1865-1900 3 hours

Stress is laid on the westward movement; religious, economic, and cultural life; slavery and secession; the War between the States. (Offered in 1953-54.)

37. United States History, 1865-1900 3 hours

Reconstruction, the new industrialism, and the emergence of the United States as a world power. (Offered in 1954-55.)

38. United States History since 1900 3 hours

The most recent era in the growth of the American people is studied in its world setting. (Offered in 1954-55.)

39. History of England to 1660 3 hours

The constitutional and social growth of the English people from the beginnings to the Restoration. (Offered in 1954-55.)

40. History of England since 1660 3 hours

The constitutional, imperial, and social growth of the English people from the Restoration to the present time. (Offered in 1954-55.)

42. History of Russia since 1796 3 hours

The origins and development of the revolutionary movements and the basic factors in Russian and Soviet foreign policy from the death of Catherine II to the present time. (Offered in 1953-54.)

45. Constitutional History of the United States to 1865 2 hours

A consideration of judicial interpretations affecting the formation of a Federal Union. (Offered in 1953-54.)

46. Constitutional History of the United States since 1865 2 hours

Attention is drawn to the judicial solutions of problems arising under a more centralized form of government. (Offered in 1953-54.)

47. History of Latin America since 1800 3 hours

The development of the people and institutions of South and Central America from the nationalistic revolts to the present. Particular emphasis is placed upon Argentina, Brazil, and Chile and upon the growth of Pan-Americanism. (Offered in 1953-54.)

48. Pro-seminar in History	2 hours
An introduction, by means of directed reading and individual projects, to the methods of historical research, historiography, and the philosophy of history.	
51. Honors Seminar in History	3 hours

DEPARTMENT OF POLITICS

The courses in the Department of Politics are designed to aid the student in taking his place in the State. In particular:
1. To acquaint the student with the place which the State occupies in social organization. 2. To acquaint him with the American form and system of government to the end that he may exercise his citizenship in a more intelligent and responsible manner.

COURSES IN POLITICS

21-22. American Government	6 hours
A study of the Government with detailed attention to the specific functions of the legislative, executive, and judicial branches of the national, state, and local systems.	
33. Political Parties and Pressure Groups	3 hours
This course, a study of the democratic process, stresses the activity of the individual in government through political parties and pressure groups. (Offered in 1953-54.)	
34. Comparative Governments	3 hours
A study of the principal forms of modern government; elements of strength and weakness as a basis for evaluating our own system. (Offered in 1953-54.)	
41. Political Theory before 1500	3 hours
This course analyzes the foundations of Christian social theory developed by St. Thomas Aquinas and St. Robert Bellarmine from Greek and Roman philosophy as qualified by Christian tradition.	
42. Political Theory after 1500	3 hours
The origins of Nationalism and the modern secular state. The development of Liberalism, Communism, and Facism and of their influence in world politics.	

**Suggested Program of Courses for the A.B. Degree
with a Group Major in Social Science**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Speech 1-2	1 1	Fundamentals of Speech
Natural Science 3-4	3 3	Principles of Physical Science
History 21, 22	3 3	European Civilization
Elective	3	Recommended: Humanities
Physical Education 1-2	- -	Physical Education (Required Course)
	16	16

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 21	3	General Psychology
Economics 1-2	3 3	Principles of Economics
Politics 21-22	3 3	American Government
Sociology 21, 22	3 3	Cultural Anthropology; Social Conflict
Natural Science 2	3	Principles of Biological Science
Speech 31-32	2 2	Public Discussion and Debate
	17	17

JUNIOR YEAR

Religion 30	3	Christian Marriage
Philosophy 34	3	Professional Ethics
Humanities 21-22; 23-24; 20; 25	3 3	English Literature; World Literature; Literary Art; Music Art Forms
Economics 35-36	2 2	Money and Banking
History 35, 36 or 37, 38	3 3	United States History
Politics 41-42	3 3	Political Theory
Electives	3 3	Recommended: American Literature
	17	17

SENIOR YEAR

Economics 37	3	Government and Business
Economics 38 or 46	3	Statistics or Business Cycles
Economics 42	3	Catholic Economic Thought
History 35, 36 or 37, 38	3 3	United States History
Sociology 31, 32 or 41, 34	3 3	Rural-Urban; Home and Family; Introduction to Social Work; Criminology
Social Science 51	3	Honors Seminar
Electives	5 5	Contemporary Philosophy; Labor Problems
	17	17

43. Principles of Foreign Policy 3 hours

An analysis of the instruments and objectives of foreign policy with respect to power politics, balance of power, collective security, and international cooperation.

44. Problems in International Relations 3 hours

A brief summary of the backgrounds necessary for an understanding of present day international problems and a study of current areas of tension in international affairs.

DEPARTMENT OF SOCIOLOGY

The Department of Sociology aims to make the student increasingly aware of his social nature and his social duties in the light of the Christian virtues. More specifically, it aims to introduce him to a systematic study of society, to provide an intensive examination of selected problems, and to set forth the social teaching of the Church as applied in current programs of Catholic Social Action.

COURSES IN SOCIOLOGY**21. Cultural Anthropology 3 hours**

A study of the origin, growth, and variation of social cultures. The course includes the detailed study of several selected primitive societies.

22. Social Conflict 3 hours

The causes and occasions giving rise to conflict in society, with emphasis on the problems which emerge and the methods of dealing with them. The application of the Papal Encyclicals to social problems.

31. Rural-Urban Sociology 3 hours

A comparative study of American social living in both country and city and the tensions and problems peculiar to each. A special study of the National Catholic Rural Life Movement. (Offered in 1953-54.)

32. Home and Family Relations 3 hours

The family as a primary unit of society. The problems of the modern family as affected by the economic, political, and religious environments. Included in the course is a study of the Papal Encyclicals on Marriage and the Family. (Offered in 1953-54.)

34. Criminology and Penal Systems 3 hours

The background and causes of crime and its impact on society. The major emphasis is placed on the development of penal systems for the punishment and prevention of crime. (Offered in 1954-55.)

41. Introduction to Social Work 3 hours

An inquiry into the causes of poverty; private and public relief agencies; the Church and the State in a plan for the relief and prevention of poverty. (Offered in 1954-55.)

42. Sociological Theory 3 hours

A critical study of selected works of leading social thinkers, including Comte, Spencer, Linton, Parsons, and Sorokin. (Offered in 1953-54.)

43. Social Action and the Catholic Parish 3 hours

The Catholic parish as a social organization; the need and opportunity for social action at the parish level; the variation in the role of priest and layman in relation to programs of social action which the parish may sponsor. (Offered in 1954-55.)

DIVISION OF EDUCATION

Saint Joseph's College is accredited by the Indiana State Department of Public Instruction for the training of teachers. The programs of study which are outlined in the following pages have been designed to provide the prospective teacher with a good general education as a foundation for his professional training and, at the same time, to meet the requirements for the teacher's certificate.

Students who are interested in a teaching career should acquaint themselves with the requirements for the teacher's certificate in the state in which they expect to be licensed. In general, the regulations prescribe: 1. A four-year curriculum leading to the bachelor's degree. 2. Professional courses approximating eighteen semester hours. 3. Academic credit in two or three teaching fields constituting the equivalent of a major and one or two related minors. 4. A recommendation by the Director of Teacher Training.

Every curriculum for the preparation of high school teachers must conform to the following general pattern:

1. General Education

	Semester Hours
Religion 2, 21, 22	9
Philosophy 1, 2, 21	9
English 1-2 or 3-4 or 5-6	6
Humanities	6
Social Science 1-2	6
Natural Science 2, 3-4	9
Speech 1-2	2
Physical Education 1-2	-
	<hr/> 47

The credit earned in general education may be used whenever applicable to meet the requirements for any subject matter area. Students who elect biology, general science, or health and physical education as one of their teaching fields will omit Natural Science 2 from the program of general education. Only those students who select a foreign language as a teaching field may substitute the language for the humanities requirement. If foreign language is omitted, Humanities 25, Music Art Forms, must be included in the program of general education.

2. Professional Education

	Semester Hours
Education 21, Introduction to Education	2
Education 22, Educational Psychology	3
Education 31, Principles of Secondary Education.....	3
Education 32, General Methods	3
Education 39, Counseling and Guidance	2
Education 46.1-46.2, Student Teaching: High School	5
Education 49, Special Methods (Comprehensive Area)	2
	<hr/> 20

3. Two or Three Academic Subject Matter Areas

The subject matter areas in which the student wishes to qualify for the Provisional Certificate may be selected according to any one of three plans as follows:

- A. One comprehensive area (40 semester hours) and either one restricted area (24 semester hours) or one conditional area (minimum 18 semester hours).
- B. Two comprehensive areas.
- C. One comprehensive area and not more than two additional areas either or both of which may be restricted or conditional areas.

4. Completion of the Requirements for Graduation

Students enrolled in a teacher training curriculum will be required to meet the general requirements for graduation except as here provided:

- A. Major Sequence. It is recommended that the candidate for a teacher's certificate select a departmental or group major in the area of the teaching field in which he has a primary interest. He may, however, qualify for the bachelor's degree in education by completing a minimum of 24 semester hours of upper-level credit in Elementary or Secondary Education. In addition to the professional courses prescribed for the teacher's certificate, the major sequence in education shall include nine semester hours chosen from Education 33, 34, 35, 37, and 41.
- B. Minor Sequence. Ordinarily the minor sequence will be chosen from the second teaching field. It may be elected in any division or department in which a teaching area (comprehensive, restricted, or conditional) is offered, or in the Division of Education. Credit applied toward the major sequence may not be counted toward a minor even though such credit may apply to both teaching areas.

ACADEMIC SUBJECT MATTER AREAS

Saint Joseph's College offers training which will lead to certification on the secondary school level in the following Comprehensive and Restricted or Conditional Areas, and to the provisional general certificate on the elementary school level.

I. Comprehensive Areas: 1. Language Arts (English); 2. Languages; 3. Social Studies; 4. Biological Science; 5. Physical Science and Mathematics; 6. General Science; 7. Health and Physical Education.

II. Restricted or Conditional Areas: 1. English; 2. Foreign Language; 3. Journalism; 4. History; 5. Social Studies; 6. Biology; 7. Physics; 8. Chemistry; 9. General Science; 10. Mathematics; 11. General Business; 12. Retail Selling; 13. Health and Safety Education; 14. Physical Education; 15. Recreation; 16. Instrumental Music.

A provisional secondary certificate is valid for five years and will permit the teaching of the subject or subjects in which the certificate is issued in grades seven through twelve in any secondary school.

Provisional certificates to include restricted areas may be issued in any subject upon a minimum of twenty-four semester hours. The Restricted Area of the certificate may be converted to a Comprehensive Area upon the completion of a total of forty semester hours of credit earned in the respective area within a ten-year period.

Limited certificates to include Conditional Areas may be issued in all subjects except English upon a minimum of 18 semester hours. The Conditional Area of the certificate is valid for one year and may be renewed with a minimum of three semester hours of additional work each year until the total credit in that subject field has reached twenty-four semester hours.

III. General Elementary Teachers' Certificate. The course of studies leading to the B.S. in Ed. degree has been constructed to meet all the requirements for the elementary certificate. Such a certificate is valid for five years and for teaching all subjects in grades one to eight inclusive. It is also valid in grade nine of a junior high school in a special area in which the teacher has eighteen semester hours of college credit, or in any restricted area as required for secondary certificates.

Students who are interested in a teaching career in elementary education should select this program at first registration, with the understanding that no final commitment is necessary until the end of the sophomore year.

CURRICULUM FOR THE PREPARATION OF ELEMENTARY TEACHERS**Approved Course of Studies Leading to the B.S. in Ed. Degree****FRESHMAN YEAR**

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3 3	Rhetoric and Composition
Speech 1-2	1 1	Fundamentals of Speech
Humanities 25	3	Music Art Forms
Mathematics 1	3	College Algebra
Natural Science 2	3	Principles of Biological Science
Social Science 1-2	3 3	Development of Western Institutions
Physical Education 1-2	- -	Physical Education (Required Crouse)
	16 16	

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 21	3	General Psychology
Humanities 23-24	3 3	World Literature
Education 21, 22	2 3	Introduction; Educ. Psychology
Biology 15	3	Personal and Community Health
Physical Education 16	2	First Aid and Safety Education
Natural Science 3-4	3 3	Principles of Physical Science
Social Science 21	3	World Geography
	17 17	

JUNIOR YEAR

Religion 30	3	Christian Marriage
Philosophy 34	3	Professional Ethics
History 35, 36 or 37, 38	3 3	United States History
Humanities 27	3	Art: History and Appreciation
Education 34, 38	3 3	Philosophy; Elementary Curriculum
Education 37, 48.0	3 2	Tests and Measurements; Art Skills
Education 40	2	Children's Literature
Physical Education 41	2	Activities for Elementary Grades
Sociology 32	3	Home and Family Relations
	17 16	

SENIOR YEAR **

Education 47	3	Industrial Arts and Crafts
Education 48.1, 48.2	2 2	Language Arts I and II
Education 48.3, 48.4	2 3	Natural Science; Arithmetic
Education 48.5, 48.6	3 2	Social Studies; Music
Education 45.1, 45.2	1 1	Professional Laboratory
Education 45.3, 45.4	3 3	Student Teaching; Elementary
Elective	3	
	14 14	

** Students completing the Elementary Curriculum will follow a special class schedule coordinating professional courses with off-campus student teaching during the senior year.

**TABLE OF MINIMUM COURSE REQUIREMENTS
IN COMPREHENSIVE AREAS**

1. Language Arts (English)	Hrs.
English 3-4 or 5-6	6
English 33-34 and Electives	15
Humanities 21-22	6
Journalism 21	3
Speech 1-2, 31-32, 33, 38	10
	40
2. Foreign Language (With English)	
Credit of 42 hours in any two of the following; a minimum of 18 hours in either language.	
English	
English 3-4 or 5-6 and 33-34	12
Humanities 21-22	6
Speech 1-2, 31-32	6
	24
French	
From French 1-2, 21-22, 31, 32 41-42	18
German	
From German 1-2, 21-22, 35-36, 41-42	18
Latin	
From Latin 1-2, 3-4, 5, 6, 7-8, 21, 22	18
Spanish	
From Spanish 1-2, 21-22, 26, 31-32 41-42	18
3. Social Studies	
Social Science 1-2, 21	9
Economics 1-2	6
History 21-22 and 31 or 32	8
From History 35 to 40	12
Politics 21-22	6
Sociology, Elective	3
	44

4. Biological Science	Hrs.
Biology 1, 2, 12, 15, 31-32	21
Biology 41 and Electives	12
Geology 25	3
Natural Science 3-4	6
Physical Education 16	2
	44
5. Physical Science and Mathematics	
One of the following alternative combinations may be selected:	
A. Chemistry 18 hrs., Physics 20 hrs., and Prin. Biol. Science 41	
B. Chemistry 20 hrs., Mathematics 18 hrs., and Prin. Biological Science	41
C. Mathematics 18 hrs., Physics 20 hrs., and Prin. Biol. Science 41	
6. General Science	
Biology 1, 2, 12	12
Chemistry 1, 2	8
Geology 1 or 24	4
Mathematics 1, 3	6
Physics 21-22	8
Science, Elective	4
	42
7. Health and Physical Education	
Health Education	
Biology 3, 12, 15	11
Physical Education 16, 45	5
Physical Education	
Physical Education 31, 34, 46	7
Physical Education 33, 35, 41	7
Physical Education 43, 48	6
Public Recreation	
Physical Education 30, 37	5
	41

**TABLE OF MINIMUM COURSE REQUIREMENTS
IN RESTRICTED AREAS**

1. English	Hrs.	9. General Science	Hrs.
English 3-4 or 5-6 and 33-34	12	Biology 1, 2, 12	12
Humanities 21-22	6	Chemistry 1, 2 or Physics 21-22	8
Speech 1-2 and 31-32	6	Geology 1 or 24	4
	<hr/>		<hr/>
	24		24
2. Foreign Language		10. Mathematics	
Any one of the Following: German, French, Latin, Spanish	24	From Mathematics 1 to 34	24
(On the basis of demonstrated pro- ficiency, a student may be excused from the six semester hours of the beginner's course.)			
3. Journalism		11. General Business	
From Journalism 21 to 46	18	Business 1-2 and Electives	10
		Economics 1-2, 21-22, 42	15
			<hr/>
			25
4. History		12. Retail Selling	
U. S. History 35, 36, 37, 38	12	Business 1-2, 39, 42, 43, 45	16
History 21, 22 and Elective	9	Economics 1-2, 21-22	12
Social Science 21, Geography	3		<hr/>
	<hr/>		28
	24		
5. Social Studies		13. Health and Safety	
Business 1-2	4	Biology 3, 12, 15, 38	14
Economics 1-2	6	Physical Education 16, 45	5
Politics 21-22	6		<hr/>
Social Science 1-2	6		19
Sociology, Elective	3		
	<hr/>		
	25		
6. Biology		14. Physical Education	
Biology 1, 2, 12, 15, 31-32, 41	25	Biology 3, 12, 15	11
		Physical Education 31, 33, 34, 37, 44, 48	14
			<hr/>
			25
7. Physics		15. Recreation	
Physics 21-22 and Electives	24	Biology 3, 12, 15	11
		Physical Education 30, 31, 33, 34 37, 48	15
			<hr/>
			26
8. Chemistry		16. Instrumental Music	
Chemistry 1, 2, 31-32, 37	17	Musical Theory 1, 2, 23-24, 33, 35-36	14
Chemistry, Electives	7	Applied Music: String, woodwind, brass and percussion instruments	10
	<hr/>	Ensemble: Band or Orchestra, six semesters	-
	24		<hr/>
	24		24

COURSES IN EDUCATION**21. Introduction to Education 2 hours**

This first course in education aims to give the student a broad overview of the educational system and of the necessary steps in preparing for a career as a teacher. Attention is given to the school system in its historical development and to the educational implications of contemporary social, economic, and political problems.

22. Educational Psychology 3 hours

The course in educational psychology aims to give the student an understanding of the characteristics of human behavior and the factors which affect its development. Emphasis is placed on those basic facts and principles that are generally accepted by today's educators and that can be integrated into the student's own experience and made to function in his educational career.

31. Principles of Secondary Education 3 hours

A presentation of the aims and functions of high school education; special problems of guidance proper to this stage in a student's development; the general program of studies and the contribution of individual subjects to the needs of secondary pupils. Catholic principles of education are stressed throughout the course.

32. General Methods 3 hours

This course deals with general principles of effective teaching in secondary schools. Topics for discussion include: selection and arrangement of subject matter; motivation and direction of learning activities; discipline; questioning, assignment and review procedure; problem-project teaching and socialized recitation; development of appreciation, attitudes and ideals.

33. History of Education 3 hours

An exposition of the development of school systems and educational practices. The reading assignments will include historical materials to illustrate the rise of new movements in education and biographical sketches of outstanding educational leaders.

34. Philosophy of Education 3 hours

A study of the philosophical principles underlying education as a social institution. The course aims to provide the student with a norm for estimating the relative values of educational theories and agencies which influence the work of the schools.

35. Statistical Methods 3 hours

An elementary course in statistical analysis. Problems are taken from education and psychology and include the computation and interpretation of averages, measures of variability, coefficients of correlation and measures of reliability.

37. Educational Tests and Measurements 3 hours

Principles of test construction, types and characteristics of group tests, application of such tests to school problems and evaluation of results. Practice in taking and giving such tests in actual school situations.

38. Elementary Curriculum 3 hours

A general introduction to the principles and trends in the various areas of the curriculum in the light of modern concepts of child development.

39. Counseling and Guidance 2 hours

Principles and techniques of personal counseling and of educational and vocational guidance of high school students. Attention is given to the use of appropriate tests, rating scales, interview techniques, organization of the guidance program, placement and follow-up services in the high school.

40. Children's Literature 2 hours

An overview of the field of children's literature and an intensive study of types at various levels. The place of poetry, folk tales, story telling and dramatics in elementary education.

41. High School Administration 3 hours

The duties of the high school principal and his immediate assistants; methods of administration and supervision of instruction; problems growing out of extra-curricular contacts and activities.

44. Audio-Visual Education 2 hours

This course covers the procuring, using, and evaluating the various teaching aids which are available for audio and visual instruction.

45.1-45.2 Professional Laboratory Experiences 2 hours

Laboratory and seminar course involving guided observation and participation in the activities of the elementary school.

45.3-45.4 Student Teaching: Elementary School 6 hours

Students registered as student teachers will be present five days a week in the classroom to which they are assigned. Under the direction of the supervising teacher the student has full charge of the class when he teaches and is held responsible for the full control and management as well as the instruction.

46.1-46.2 Student Teaching: High School 5 hours

This course is required of all students working for a high school teacher's license. Students are required to observe classes in the local schools for thirty to thirty-five periods, and to record the results of their observations. Each student is also required to plan and teach from sixty to sixty-five periods under the supervision of an approved critic teacher. Individual conferences and group meetings are held weekly with the Director of Teacher Training.

Prerequisite: Senior standing.

47. Industrial Arts and Crafts 3 hours

The purposes of this course are to help the students gain insights into the materials, processes, and products of industry, and to gain ability to organize this knowledge and the materials for the teaching of arts and crafts at the elementary and secondary school levels.

48.0 Basic Art Skills and Methods 2 hours

Drawing, pattern, composition, essentials of lettering and posters, combined with techniques of presentation for elementary teachers.

48.1 Language Arts I 2 hours

This course covers the program of reading at the elementary level. The following problems are emphasized: reading-readiness, phonics, methods of meeting individual differences, diagnosis in reading, and remedial measures.

48.2 Language Arts II 2 hours

This course stresses the expressional phase of elementary school language, including oral and written expression, grammar, spelling, and handwriting. Instructional methods, standards of achievement, and correction of pupil difficulties are included in the course.

48.3 Methods in Natural Science 2 hours

A survey of materials and methods to be used in developing science units for the elementary grades.

48.4 Methods in Arithmetic 3 hours

A study of the techniques and methods of teaching arithmetic in the elementary school. Distribution of content according to grade levels; diagnosis of number difficulties; remedial instruction; testing.

48.5 Methods in Social Studies 3 hours

Function of the social studies in the elementary school; appraisal of teaching procedures in this field; formulation of definite principles to use in the selection of suitable materials; testing the results of instruction in the social studies.

48.6 Methods in Music 2 hours

Modern methods of presenting music to children in the elementary school. Discussion of such topics as rhythmic activity, singing, appreciation, and means of helping the less musically gifted child.

49. Special Methods: High School 2 hours

Professional academic courses are organized in each of the teaching fields described by the Comprehensive Areas. These courses deal with the particular aims, materials, and methods of the respective subjects as presented in the modern high school. Credit in Special Methods courses applies to the requirement in professional education, but may not be counted toward a major or a minor in the academic department to which the subject is related.

SPECIAL METHODS COURSES**49.LA. The Teaching of Language Arts in High School**

For prospective teachers of English, speech, and journalism.

49.FL. The Teaching of Foreign Language in High School

For prospective teachers of German, French, Latin, and Spanish. Materials are adapted to individual needs.

49.SS. The Teaching of Social Studies in High School

For prospective teachers of history, geography, economics, political science, and general business.

49.Sc. The Teaching of Mathematics and Natural Science

For prospective teachers of mathematics, general science, biology, chemistry, and physics.

49.PE. The Teaching of Health and Physical Education

For prospective teachers of health, and high school athletics.

49.Mu. The Teaching of Music in High School

For prospective teachers of music.

51. Honors Seminar in Education 3 hours

DEPARTMENT OF PHYSICAL EDUCATION

The Department of Physical Education has the following objectives: to promote physical well-being through a program of physical training; to inculcate proper attitudes and habits of health and sportsmanship; to prepare qualified coaches and teachers of health and physical education.

Students who plan to qualify for the teacher's certificate in health and physical education will be guided by the regulations outlined on pages 112-121.

COURSES IN PHYSICAL EDUCATION

1-2. Physical Education	No Credit
This course aims to improve the health and to build up the body through supervised physical activity. In addition to callisthenics, students are taught the fundamentals and rules of various sports with a view to active participation in the intramural athletic program. Two periods each week are required of all freshmen unless excused by order of the college physician.	
16. First Aid and Safety Education	2 hours
A consideration of the essential elements in the theory and practice of safety in the home, in recreational pursuits, in occupational activities, and transportation. Instruction in the administration of first aid.	
30. Public Recreation and Camp Activities	3 hours
Theory and practice of playground supervision and camp leadership. Techniques proper to arts and crafts, aquatics, outdoor recreational activities, nature study, and special programs are included. Observation of camp facilities and recreational programs.	
31. History and Principles of Physical Education	3 hours
A survey of the field of physical education; the theory and practice of play as related to modern educational programs; the principles, aims and objectives of interscholastic, intramural, play-day, and corrective programs.	
32. Coaching of Baseball and Track	2 hours
Theory and practice in batting, fielding, base running, and pitching. Principles of coaching and officiating in baseball, track, and field events. Two lectures and one laboratory period per week.	

**Suggested Program of Courses for the B.S. Degree with
Physical Education as Major Sequence**

FRESHMAN YEAR

	Semester Hours	
Religion 2	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3 3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 4-5	3 3	Rhetoric and Composition
Biology 3, 12	4 4	Introductory Biology; Anatomy
Biology 15	3	Personal and Community Health
Social Science 1-2	3 3	Development of Western Institutions
Physical Education 1-2	- -	Physical Education (Required Course)
	16	16

SOPHOMORE YEAR

Religion 21, 22	3 3	Apologetics; Catholic Dogma
Philosophy 21	3	General Psychology
Humanities 25, 20	3 3	Music Art Forms; Literary Art
Natural Science 3-4	3 3	Principles of Physical Science
Speech 1-2	1 1	Fundamentals of Speech
Physical Education 16	2	First Aid and Safety Education
Education 21, 22	2 3	Introduction; Educ. Psychology
Electives	2 2	Recommended: Introd. to Business
	17	17

JUNIOR YEAR

Philosophy 34	3	Professional Ethics
Education 31, 32	3 3	Principles; General Methods
Education 39, 49 PE	2 2	Counseling; Special Methods
Physical Education 33, 34	2 2	Gymnastics; Intramural Sports
Physical Education 31, 30	3 3	History and Principles; Public Recreation and Camp Activities
Physical Education 35	3	Measurements in Physical Education
Second Teaching Area	3 3	
	16	16

SENIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Scripture
Physical Education 37, 41	4	Minor Sports; Activities for Elementary Grades
Physical Education 43, 44	3 2	Coaching Football; H. S. Athletics
Physical Education 45, 46	3 2	Adm. Health and Physical Education
Physical Education 48	3	Coaching Basketball
Second Teaching Area	3 3	
Education 46.1, 46.2	2 3	Student Teaching: High School
	15	16

33. Gymnastics and Rhythmic Exercises 2 hours

Elements of individual and natural gymnastics; corrective exercises, callisthenics, class drill, tumbling and apparatus; fundamentals of rhythm as applied to games, plays, and songs. Two lectures and one laboratory period per week.

34. Organization and Administration of Intramural Sports 2 hours

The selection and organization of a program of games for recreational purposes. A study of the units of competition, time schedules, methods of organizing participation, scoring plans, rules and regulations for individuals and groups. Opportunity for participation in directing group activities. Two lectures and one laboratory period per week.

35. Measurements in Health and Physical Education 3 hours

A course in elementary measurements as applied to health habits, physical growth, and athletic ability and achievement. The aim of the course is to provide the prospective teacher with the means of estimating physical fitness and evaluating changes in knowledge, skills, and attitudes as a result of instruction.

37. Techniques of Minor Sports 2 hours

Instruction and practice in such sports as handball, volleyball, softball, tennis, badminton, ping pong, and bowling. Attention is given to selection and care of equipment.

Prerequisite: Education 22.

41. Activities for Elementary Grades 2 hours

An analysis of dramatic play, games, rhythms, self-testing activities, playground procedures, and safety measures used in a modern program in the area. Principles of selection and evaluation of activities and teaching methods are developed.

43. Coaching of Football 3 hours

Theory and practice of the fundamentals of football. A study of the history, rules, strategy, styles of attack and defense, organization of practice, individual and team conditioning, officiating and other coaching problems involved in this sport. Three lectures and one laboratory period per week.

44. Administration of High School Athletics 2 hours

A detailed study of the rules of the National Federation of State High School Associations as well as a thorough study of State Athletic Associations with emphasis upon eligibility rules and

decisions in the State of Indiana. Included in the course are such topics as the purchase and care of athletic equipment, standards for athletic facilities, finances and budgets as related to high school athletic programs.

Prerequisite: Physical Education 31.

45. Organization and Administration of Health Education 3 hours

The principles, materials and problems of health education. Relation of the school health program to other health agencies. Instruction in the proper use of federal, state, and commercial publications and aids to health education. Examinations, reports, and remedial measures. State health regulations.

46. Organization and Administration of Physical Education 2 hours

Consideration is given to physical examinations, grouping of students, records of participation and progress, management of gymnasium and playground, finance, and public relations.

Prerequisite: Physical Education 31.

48. Coaching of Basketball 3 hours

Theory and practice of the fundamentals of basketball. A study of the history, rules, strategy, styles of play, organization of practice, individual and team conditioning, officiating and other coaching problems connected with this sport. Three lectures and one laboratory period per week.

51. Honors Seminar in Physical Education 3 hours

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Florida	1	Ohio	70
Illinois	261	Pennsylvania	5
Indiana	125	Wisconsin	7
Iowa	1	Austria	1
Kansas	4	Canada	2
Kentucky	8	Central America	1
Michigan	36	China	3
Minnesota	1	Free Territory of Trieste	1
Missouri	2	Japan	1
New Jersey	1	Mexico	1
New York	5	TOTAL	538
North Dakota	1		

ALUMNI ASSOCIATION

Organized June 17, 1896, after the charter class of 1891 was graduated, the Alumni Association of Saint Joseph's College was established to foster the ties of friendship and cooperation that develop during student days. Membership is not limited to graduates; any former student who leaves in good standing automatically becomes an alumnus. The national secretary publishes a monthly bulletin, significantly named *Contact*, which is mailed to all members of the association. Alumni are invited to "open house" each year on the first convenient week-end after commencement, special invitations going out to classes commemorating respectively the fifth, tenth, fifteenth, twentieth, and twenty-fifth anniversary of their commencement day. The homecoming football game in the autumn is followed by a dance.

GIFTS AND BEQUESTS

Gifts and bequests of money, securities or real estate are gratefully received by Saint Joseph's College. Many additions have thus been made to the resources of the institution.

To serve the College in this way it is not necessary to make a large bequest. There are doubtless many who without injury to family or other interests could bequeath \$500, \$1,000, or \$5,000; and some who might bequeath a much larger sum.

Unless other use is specified, it is the general policy of the institution to designate funds so given as a part of the permanent endowment of the institution.

In order to be valid in most states, a will must be signed by the testator in the presence of at least two disinterested witnesses who should attest the instrument as such witnesses.

FORM OF GENERAL BEQUEST

I hereby give and bequeath to the Board of Control of Saint Joseph's College, situated at Collegeville, Indiana, and to their successors forever, for the use of said institution in fulfillment of its general corporate purposes. (State here the sum of money which you desire to give, or describe the property or securities constituting the bequest.)

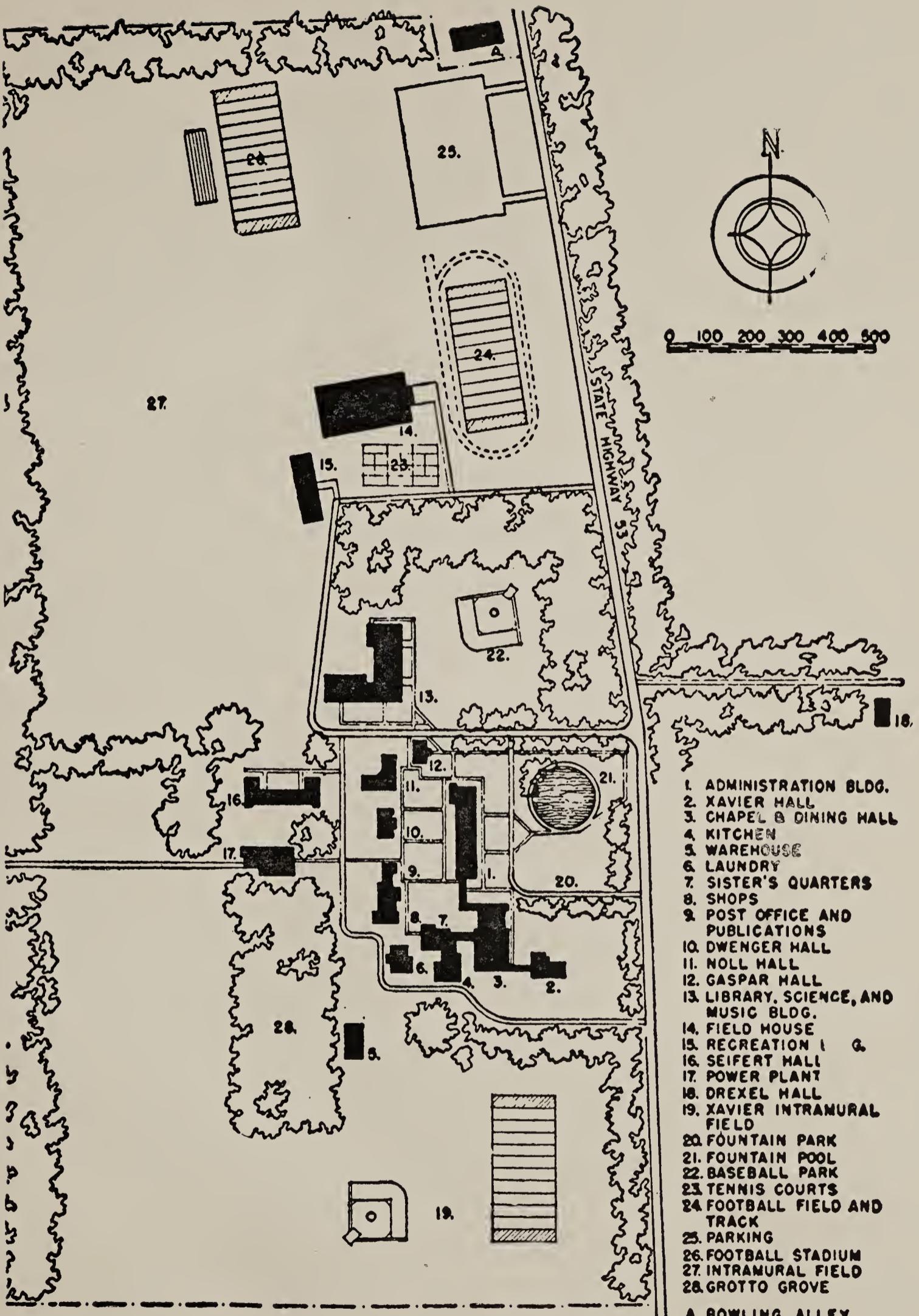
ANNUITIES

Anyone desiring to further the education of Catholic youth and the progress of training under Catholic auspices through the annuity plan may secure detailed information concerning the plan sponsored by Saint Joseph's College by writing to the Very Reverend President, Collegeville, Indiana.

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CAMPUS
SAINT JOSEPH'S COLLEGE
Collegeville, Indiana

